



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet for 010-001-U88-0100

**rMouse Follistatin Protein****Overview**

<b>Description:</b>	Mouse Follistatin Recombinant Protein - 010-001-U88-0100
<b>Item No.:</b>	010-001-U88-0100
<b>Size:</b>	100 µg
<b>Applications:</b>	SDS-PAGE, Cellular Assay
<b>Origin:</b>	Mouse
<b>Expressed in:</b>	E. coli

**Product Details**

<b>Background:</b>	Follistatin is an autocrine acting protein that is expressed by many tissues, but at notably higher levels in the ovary and skin. Follistatin functions to negatively regulate the signaling of a wide variety of TGF-beta family members (activin, BMPs, myostatin, GDF-11 and TGF-beta 1). Mechanistically, follistatin works as an antagonist by complexing with TGF-beta family members to prevent them from interacting with their signaling receptors. Recombinant mouse follistatin is a non-glycosylated protein, containing 289 amino acids, with a molecular weight of 31.6 kDa.
<b>Synonyms:</b>	FS, activin-binding protein, FSH-suppressing protein (FSP)
<b>Species of Origin:</b>	Mouse
<b>Expressed in:</b>	E. coli
<b>Type:</b>	Recombinant Protein
<b>Low Endotoxin:</b>	Yes

**Target Details**

<b>Gene Name:</b>	Fst
<b>Purity/Specificity:</b>	Follistatin purity was determined to be greater than 90% as determined by analysis by reducing and non-reducing SDS-pAGE.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">UniProtKB - P47931</a></li></ul>

## Application Details

<b>Tested Applications:</b>	SDS-PAGE
<b>Suggested Applications:</b>	Cellular Assay (Based on references)
<b>Application Note:</b>	Follistatin Recombinant Protein has been tested by SDS-PAGE and biological activity and is suitable as a control for polyclonal or monoclonal anti-Follistatin in immunological assays. Buffer Formulation: 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>Other:</b>	Endotoxin Level: Measured by kinetic LAL analysis and is typically $\leq 1$ EU/ $\mu$ g protein. Biologic Activity: The activity is determined by the dose-dependent neutralization of 7.5 ng/mL human Activin A. Complete neutralization is typically reached at less than 0.3 $\mu$ g/mL.

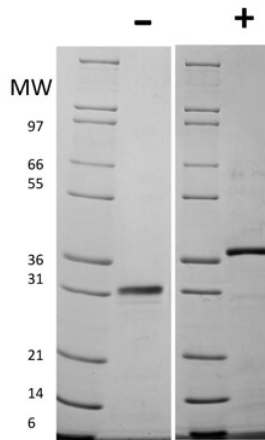
## Formulation

<b>Physical State:</b>	Lyophilized
<b>Buffer:</b>	See application note.
<b>Preservative:</b>	None
<b>Stabilizer:</b>	None
<b>Reconstitution Volume:</b>	100 $\mu$ L
<b>Reconstitution Buffer:</b>	Restore with deionized water (or equivalent)

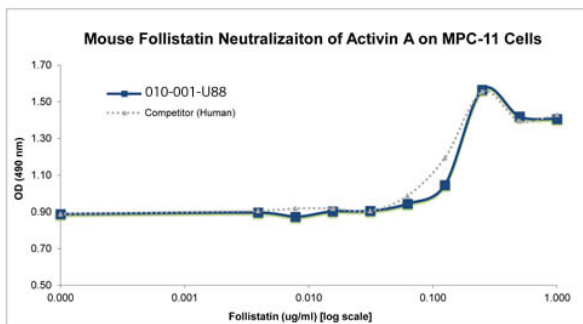
## Shipping & Handling

<b>Shipping Condition:</b>	Ambient
<b>Storage Condition:</b>	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.
<b>Expiration:</b>	Expiration date is six (6) months from date of receipt.

## Images


**SDS-PAGE**

SDS-PAGE of Mouse Follistatin Recombinant Protein. Lane 1: Molecular weight marker. Lane 2: 1 µg Mouse Follistatin in non-reducing conditions (-). Lane 3: Molecular weight marker. Lane 4: 1 µg Mouse Follistatin in reducing conditions (+). Mouse Follistatin has a predicted MW of 31.6 kDa.


**SDS-PAGE**

Bioactivity of Mouse Follistatin Recombinant Protein. Serial dilutions of Mouse Follistatin (starting at 1 ug/mL) were mixed with 7.5 ng/mL human Activin A, then added to MPC-11 cells. After 69 hours cell proliferation was measured and the linear portion of the curve was used to calculate the ED50. The ED50 of Mouse Follistatin is between 0.13-0.19 ug/mL. This value is comparable to the typically expected to be less than 0.3 ug/mL.

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.