



SZABO SCANDIC

Part of Europa Biosite

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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet for 009-001-W26-0005

rHuman TGF beta1 Protein

Overview

Description:	Human Transforming Growth Factor beta 1 Recombinant Protein - 009-001-W26-0005
Item No.:	009-001-W26-0005
Size:	5 µg
Applications:	Cellular Assay
Origin:	Human

Product Details

Background:	Transforming Growth Factor-beta 1 (TGF-β1) is a member of the TGF-beta superfamily. Members of this family are known to exhibit regulatory activity in immunity and proliferation pathways. TGF-β1 signals through SMAD proteins via the TGF-β1 RI and RII receptors. Mature human TGF-β1 is a glycosylated homodimer, containing two 112 amino acids chains, with a total molecular weight of 25 kDa.
Synonyms:	Differentiation inhibiting factor, cartilage-inducing factor
Species of Origin:	Human
Type:	Recombinant Protein
Low Endotoxin:	Yes

Target Details

Gene Name:	TGFB1
Purity/Specificity:	Transforming Growth Factor beta 1 purity was determined to be greater than 98% as determined by reducing and non-reducing SDS-pAGE.
Relevant Links:	<ul style="list-style-type: none">• UniProtKB - P01137

Application Details

Suggested Applications:	Cellular Assay (Based on references)
--------------------------------	--------------------------------------

Application Note:	Transforming Growth Factor beta 1 Recombinant Protein has been tested by biological activity and is suitable as a control for polyclonal or monoclonal anti-Transforming Growth Factor beta 1 in immunological assays.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	Endotoxin Level: Measured by kinetic LAL analysis and is typically ≤ 1 EU/ μ g protein. Biologic Activity: The activity is measured by the dose-dependent inhibition of IL-4-induced proliferation from mouse HT-2 cells and is typically 0.04-0.2 ng/mL.

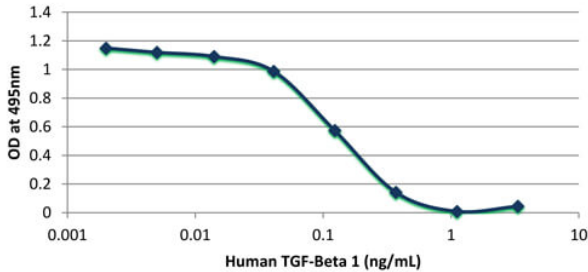
Formulation

Physical State:	Lyophilized
Concentration:	0.1 mg/ml
Buffer:	0.1% Trifluoroacetic acid
Preservative:	None
Stabilizer:	None
Reconstitution Volume:	5 μ l (5-50 μ l)
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at -20° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative; it does contain Trehalose in a ratio of 20:1 (Trehalose:Protein) 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.
Expiration:	Expiration date is six (6) months from date of receipt.

Images

Human TGF-Beta1 Inhibition of IL-4-Induced Proliferation of HT-2 Cells**SDS-PAGE**

Bioactivity of Human Transforming Growth Factor beta 1 Recombinant Protein. Serial dilutions of Human TGF-Beta 1 (starting at 10 ng/mL) were added to HT-2 cultured with IL-4. Cell proliferation was measured and the linear portion of the curve was used to calculate the ED50. The ED50 of Human TGF-Beta 1 is between 0.1-0.15 ng/mL. This is comparable to the expected range of 0.04-0.2 ng/mL for this assay.

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.