



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### WNT5A (Human) Recombinant Protein (P01)

**Catalog Number:** H00007474-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human WNT5A full-length ORF ( NP\_003383.2, 1 a.a. - 380 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MKKSIGILSPGVALGMAGSAMSSKFFLVLAIAFFSFAQV  
VIEANSWWSLGMNPNVQMSEVYIIGAQLCSQLAGLS  
QGQKKLCHLYQDHMQYIGEGAKTGIKECQYQFRHRR  
WNCSTVDNTSVFGRVMQIGSRETAFTYAUSAAGVVN  
AMSRACREGELSTCGCSRAARPKDLPRDWLWGGCG  
DNIDYGYRFAKEFVDARERERIHAKGSYESARILMNLH  
NNEAGRRTVYNLADVACKCHGVSGSCSLKTCWLQLA  
DFRKVGDALKEKYDSAAAMRLNSRGKLVQVNSRFNS  
PTTQDLVYIDPSPDYCVRNESTGSLGTQGRLCNKTSE  
GMDGCELMCCGRGYDQFKTVQTERCHCKFHWCCYV  
KCKKCTEIVDQFVCK

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 68.7

**Interspecies Antigen Sequence:** Mouse (99)

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 7474

**Gene Symbol:** WNT5A

**Gene Alias:** hWNT5A

**Gene Summary:** The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It encodes a protein which shows 98%, 98% and 87% amino acid identity to the mouse, rat and the xenopus Wnt5A protein, respectively. The experiments performed in *Xenopus laevis* embryos identified that human frizzled-5 (hFz5) is the receptor for the Wnt5A ligand and the Wnt5A/hFz5 signaling mediates axis induction. [provided by RefSeq]

**References:**

1. cGMP-phosphodiesterase 6, transducin and Wnt5a/Frizzled-2-signaling control cGMP and Ca(2+) homeostasis in melanoma cells. Bazhin AV, Tambor V, Dikov B, Philippov PP, Schadendorf D, Eichmuller SB. *Cell Mol Life Sci.* 2009 Nov 28. [Epub ahead of print]