



# SZABO SCANDIC

Part of Europa Biosite

## 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

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### SEMA4A (Human) Recombinant Protein (P01)

**Catalog Number:** H00064218-P01

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

**Product Description:** Human SEMA4A full-length ORF (NP\_071762.2, 1 a.a. - 761 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MALPALGLDPWSSLGLFLFQLLQLLLPTTTAGGGGQG  
PMPRVRYAGDERRALSFFHQKGLQDFDTLLLSGDG  
NTLYVGAREAILALDIQDPGVPRKLNMPWPASDRKKS  
ECAFKKSNETQCFNFIRVLVSYNVTHLYTCGTFAFSP  
ACTFIELQDSYLLPISEDKVMGKQSPFDPAHKHTAV  
LVDGMLYSGTMNNFLGSEPILMRTLGSQPVLKTDNFL  
RWLHHDASFVAAIPSTQVVYFFFEETASEFDDFERLHT  
SRVARVCKNDVGGKELLQKKWTTFLKAQLLCTQPGQL  
PFNVIRHAVLLPADSPTAPHIYAVFTSQWQVGGTRSSA  
VCAFSLLDIERVFKGKYKELNKETSRWTTYRGPETNP  
RPGSCSVGPSSDKALTFMKDHFMLDEQVVGTPLLVKS  
GVEYTRLAVETAQGLDGHSHLVMYLGTTTGS LHKAVV  
SGDSSAHLVEEIQLPDPEPVRNLQLAPTQGA VVGF  
SGGVWRVPRANCSVYESCVDCLARDPHCAWDPEP  
RTCCLLSAPNLNSWKQDMERGNPEWACASGPMSRS  
LRPQSRPQIIKEVLAVPNSILELPCPHLSALASYWWSHG  
PAAVPEASSTVYNGSLLLIVQDGVGGLYQCWATENG  
F SYPVISYWVDSQDQTLALDPELAGIPREHVKPLTRVS  
GGAALAAQQSYWPHFVTVTFLVLSGALILVASPLR  
ALRARGKVQGCETLRPGEKAPLSREQHLQSPKECRT  
SASDVDADNNCLGTEVA

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

**Theoretical MW (kDa):** 110

**Interspecies Antigen Sequence:** Mouse (83); Rat (83)

**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:** 64218

**Gene Symbol:** SEMA4A

**Gene Alias:** CORD10, FLJ12287, RP35, SEMAB, SEMB

**Gene Summary:** SEMA4A is a member of the semaphorin family of soluble and transmembrane proteins. Semaphorins are involved in guidance of axonal migration during neuronal development and in immune responses.[supplied by OMIM]

**References:**

1. Semaphorin 4A Stabilizes Human Regulatory T Cell Phenotype via Plexin B1. Chapoval SP, Hritzo M, Qi X, Tamagnone L, Golding A, Keegan AD. Immunohorizons. 2019 Feb;3(2):71-87. doi: 10.4049/immunohorizons.1800026.
2. Expression of Semaphorin 4A and its potential role in rheumatoid arthritis. Wang L, Song G, Zheng Y, Tan W, Pan J, Zhao Y, Chang X. Arthritis Res Ther. 2015 Aug 25;17(1):227.
3. Neuroimmune semaphorin 4A as a drug and drug target for asthma. Mogie G, Shanks K, Nkyimbeng-Takwi EH, Smith E, Davila E, Lipsky MM, Detolla LJ, Keegan AD, Chapoval SP Int Immunopharmacol. 2013 Aug 28;17(3):568-575. doi: 10.1016/j.intimp.2013.08.005.