

Datasheet for ABIN7320641
Sema4a Protein (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	Sema4a
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Sema4a protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Semaphorin-4A/SEMA4A Protein (His Tag)
Sequence:	Thr33-His682
Characteristics:	Recombinant Mouse Semaphorin 4A is produced by our Mammalian expression system and the target gene encoding Thr33-His682 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Sema4a
Alternative Name:	Semaphorin-4A/SEMA4A (Sema4a Products)
Background:	Background: Semaphorin-4A (SEMA4A) belongs to the semaphorin family which contains a Ig-like C2-type domain, a PSI domain and a Sema domain. SEMA4A is expressed from day 10 in the embryo, and low levels are found between days 10-12. SEMA4A is a cell surface receptor

Target Details

for PLXNB1, PLXNB2, PLXNB3 and PLXND1 that plays an important role in cell-cell signaling. It plays a role in priming antigen-specific T-cells, promotes differentiation of Th1 T-helper cells, and thereby contributes to adaptive immunity. SEMA4A promotes phosphorylation of TIMD2, inhibits angiogenesis, and promotes axon growth cone collapse, Inhibits axonal extension by providing local signals to specify territories inaccessible for growing axons.

Synonym: Semaphorin-4A,Semaphorin-B,Sema B,Sema4a,Semab, SemB

Molecular Weight: 72.7 kDa

UniProt: [Q62178](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

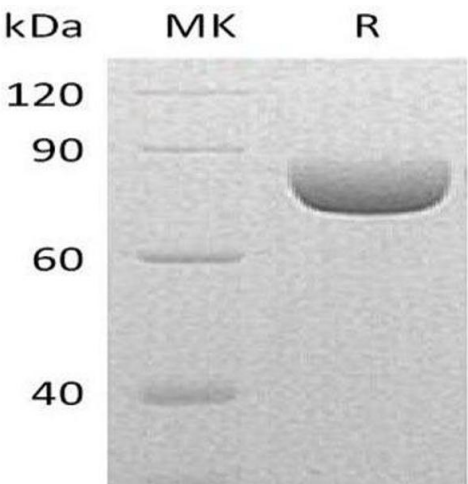
Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Images



Western Blotting

Image 1.