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Datasheet for ABIN7319002  
**SEMA4G Protein (His tag)**

### Overview

Quantity:	50 µg
Target:	SEMA4G
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEMA4G protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Semaphorin 4G/SEMA4G Protein (His Tag)
Sequence:	Val18-Leu680
Characteristics:	Recombinant Human Semaphorin 4G is produced by our Mammalian expression system and the target gene encoding Val18-Leu680 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	SEMA4G
Alternative Name:	Semaphorin 4G/SEMA4G ( <a href="#">SEMA4G Products</a> )
Background:	Background: Semaphorin-4G is belongs to the semaphorin family, contains 1 Ig-like C2-type domain, 1 PSI domain, 1 Sema domain. Semaphorins are a large family of conserved secreted and membrane associated proteins which possess a semaphorin (Sema) domain and a PSI

## Target Details

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domain (found in plexins, semaphorins and integrins) in the N-terminal extracellular portion. Based on sequence and structural similarities, semaphorins are put into eight classes: invertebrates contain classes 1 and 2, viruses have class V, and vertebrates contain classes 3-7. Semaphorins serve as axon guidance ligands via multimeric receptor complexes, some (if not all) containing plexin proteins. This gene encodes a class 4 semaphorin.

Synonym: Semaphorin-4G,KIAA1619,SEMA4G

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Molecular Weight: 74.0 kDa

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, 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.