Datasheet for ABIN7319007

SEMA5A Protein (AA 23-765) (His tag)

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Overview

Quantity:	50 µg
Target:	SEMA5A
Protein Characteristics:	AA 23-765
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEMA5A protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Semaphorin 5A/SEMA5A Protein (aa 23-765, His Tag)
Sequence:	Glu23-Thr765
Characteristics:	Recombinant Human Semaphorin 5A is produced by our Mammalian expression system and the target gene encoding Glu23-Thr765 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:	SEMA5A
Alternative Name:	Semaphorin 5A/SEMA5A (SEMA5A Products)
Background:	Background: Semaphorin-5A (SEMA5A) is a member of the Semaphorin family of axon

Target Details

	guidance molecules. SEMA5A is a 140 kDa protein. Class 5 Semaphorins are type I transmembrane glycoproteins with an N- terminal Sema domain and multiple juxtamembrane type 1 Thrombospondin (TSP) repeats within their extracellular domains. SEMA5A is expressed in neuroepithelial cells surrounding retinal axons, oligodendrocytes, the base of limb buds, the mesoderm surrounding cranial vessels , and the cardiac atrial septum and endocardial cushions, Human SEMA5A cDNA encodes a signal sequence, a extracellular domain (ECD), a transmembrane sequence and an cytoplasmic portion. SEMA5A mutations have been implicated in the genetic syndrome,cri-du-chat,while some polymorphisms may increase risk for neurodegenerative diseases such as Parkinson. The expression of SEMA5A may be upregulated in metastatic cancer cells and downregulated in autism. Synonym: Semaphorin-5A, Semaphorin-F, Sema F, SEMA5A, SEMAF
Molecular Weight:	84.7 kDa
UniProt:	Q13591

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, 0.1 mM EDTA, 0.05 % Tween 20, pH 7.2.
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.