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Datasheet for ABIN7319470

SEMA3A Protein (His tag,DYKDDDDK Tag)

Overview

Quantity:	50 µg
Target:	SEMA3A
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEMA3A protein is labelled with His tag,DYKDDDDK Tag.

Product Details

Purpose:	Recombinant Human Semaphorin 3A/SEMA3A Protein (His & Flag Tag)
Sequence:	Lys26-Phe546
Characteristics:	Recombinant Human Semaphorin 3A is produced by our Mammalian expression system and the target gene encoding Lys26-Phe546 is expressed with a 6His-Flag tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	SEMA3A
Alternative Name:	Semaphorin 3A/SEMA3A (SEMA3A Products)
Background:	Background: semaphorin-3A is a secreted protein which belongs to the semaphorin family. Semaphorins are a family of secreted and cell-bound signaling molecules defined by the presence of a common 500 aa Sema domain. This protein can function as either a

Target Details

chemorepulsive agent, inhibiting axonal outgrowth, or as a chemoattractive agent, stimulating the growth of apical dendrites. In both cases, the protein is vital for normal neuronal pattern development. Increased expression of this protein is associated with schizophrenia and is seen in a variety of human tumor cell lines.

Synonym: Semaphorin III, SEMA3A, SEMAD, Hsema-I, SEMA1, SemD, Semad, coll-1 , Hsema-III, Sema III

Molecular Weight: 61.3 kDa

UniProt: [Q14563](#)

Pathways: [Regulation of Cell Size](#)

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 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.