Datasheet for ABIN7317423

VWC2 Protein (His tag)

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Overview

Quantity:	100 µg
Target:	VWC2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VWC2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human VWC2/Brorin Protein (His Tag)
Sequence:	Met 1-Met 325
Characteristics:	A DNA sequence encoding the human VWC2 (NP_940972.2) (Met 1-Met 325) was expressed, fused with a polyhistidine 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:	VWC2
Alternative Name:	VWC2/Brorin (VWC2 Products)
Background:	Background: Brorin; also known as brain-specific chordin-like protein; von Willebrand factor C domain-containing protein 2 and VWC2; is a secreted protein which contains two VWFC domains. VWC2 / Brorin is a BMP antagonist which may play a role in neural development. It

Target Details

	promotes cell adhesion. VWC2 / Brorin is a unique member of the chordin family. It inhibited the activity of bone morphogenetic protein 2 (BMP2) and BMP6 in mouse preosteoblastic MC3T3-E1 cells. Mouse Brorin was predominantly expressed in neural tissues in embryos and also predominantly expressed in the adult brain. In the brain; the expression was detected in neurons; but not glial cells. The neural tissue-specific expression profile of Brorin is quite distinct from that of any other member of the Chordin family. VWC2 / Brorin protein promoted neurogenesis; but not astrogenesis; in mouse neural precursor cells. VWC2 / Brorin is a novel secreted BMP antagonist that potentially plays roles in neural development and functions. Synonym: PSST739;UNQ739
Molecular Weight:	34.1 kDa
NCBI Accession:	NP_940972

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 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.

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