

Recombinant Human PLXNA1 Protein (986-1152 aa), His-tagged

Cat. No. PLXNA1-1720H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human PLXNA1 Protein (986-1152 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Neuroscience. Protein Description: Partial.

Species Human

Source Yeast

ProteinLength 986-1152 aa

Description Coreceptor for SA3A, SA3C, SA3F and SA6D. Necessary for signaling by class 3 saphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration. Class 3 saphorins bind to a complex composed of a neuropilin and a plexin. The plexin modulates the affinity of the complex for specific saphorins, and its Cytoplasmic domain is required for the activation of down-stream signaling events in the cytoplasm.

Form Tris-based buffer, 50% glycerol

Molecular Mass 20.3 kDa

AA Sequence L N A G S D V A V S V G G R P C S F S W R N S R E I R C L T P P G Q S P G S A P I I I N I N R A Q L T N P E V K Y
 N Y T E D P T I L R I D P E W S I N S G G T L L T V T G T N L A T V R E P R I R A K Y G G I E R E N G C L V Y N D T
 T M V C R A P S V A N P V R S P P E L G E R P D E L G F V M D N V R S L L V L N S T S F L Y Y P D P V L

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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

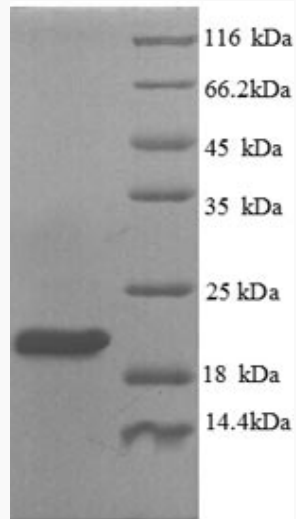
GENE INFORMATION

Gene Name	PLXNA1 plexin A1 [Homo sapiens]
Official Symbol	PLXNA1
Synonyms	PLXNA1; plexin A1; PLXN1; plexin-A1; NOV; plexin 1; NOV; PLEXIN-A1; DKFZp761P19121;
Gene ID	5361
mRNA Refseq	NM_032242
Protein Refseq	NP_115618
MIM	601055
UniProt ID	Q9UIW2

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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