

Recombinant Human PLXNA1 Protein, His-tagged

Cat. No. PLXNA1-508H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLXNA1(Thr43~Ile300) fused with His at N-terminal tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Thr43~Ile300
Description	This gene encodes a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes. GalNAc-Ts initiate mucin-type O-linked glycosylation in the Golgi apparatus by catalyzing the transfer of GalNAc to serine and threonine residues on target proteins. They are characterized by an N-terminal transmembrane domain, a stem region, a luminal catalytic domain containing a GT1 motif and Gal/GalNAc transferase motif, and a C-terminal ricin/lectin-like domain. GalNAc-Ts have different, but overlapping, substrate specificities and patterns of expression. The encoded protein is capable of glycosylating fibronectin peptide in vitro and is expressed in a fibroblast cell line, indicating that it may be involved in the synthesis of oncofetal fibronectin.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	32.5kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

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

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UniProt ID

Q9UIW2

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