

Recombinant Human PLXNA4 Protein (25-521 aa), His-tagged

Cat. No. PLXNA4-1118H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLXNA4 Protein (25-521 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	25-521 aa
Description	Coreceptor for SA3A. Necessary for signaling by class 3 saphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance in the developing nervous syst. 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	60.0 kDa
AA Sequence	LLTRQPAPLSQKQRSFVTFRGEPAEGFNHLVVDERTGHIYLGAVNRIYKLSSDLKVL VTHETGPDDEDNPKCYPPRIVQTCNEPLTTTNNVNKMLLIDYKENRLIACGSLYQGICK LLRLEDLFKLGEPTYHKKEHYLSGVNESGSVFGVIVSYSNLDDKLFIAAVDGKPEYFP TISSRKLTKNSEADGMFAYVFHDEFVASMIPSDTFTIIPDFDIYVYGFSSGNFVYFL

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TLQPEMVSPPGSTTKEQVYTSKLVRLCKEDTAFNSYVEVPIGCERSGVEYRLLQAAY
LSKAGAVLGRTLGVHPDDDLLFTVFSKGQKRKMKSLEDESALCIFILKQINDRIKERLQ
SCYRGEGTLDLAWLKVKDIPCSSALLTIDNFCGLDMNAPLGVSDMVRGIPVFTEDR
DRMTSVIAYVYKNHSLAFVGTSGKLGKKSFGTGPPQGIGTQEWIGVAGDPPGANIASQ
EQMLCVYLQCSSHKAISDQRVQPLLCCFLNVPNGS

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 concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name [PLXNA4 plexin A4 \[Homo sapiens \]](#)

Official Symbol [PLXNA4](#)

Synonyms PLXNA4; plexin A4; FAYV2820; KIAA1550; PLEXA4;

Gene ID [23655](#)

MIM [604280](#)

UniProt ID [Q9HCM2](#)

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