

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

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

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	25-521 aa
<b>Description</b>	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.
<b>Form</b>	Tris-based buffer, 50% glycerol
<b>Molecular Mass</b>	60.0 kDa
<b>AA Sequence</b>	LLTRQPAPLSQKQRSFVTRGEPAEGFNHLVVDERTGHIYLGAVNRIYKLSSDLKVL VTHETGPDEDNPKCYPPRIVQTCNEPLTTTNNVNKMLLIDYKENRLIACGSLYQGICK LLRLEDLFKLGEPYHKKEHYLSGVNESGSVFGVIVSYSNLDDKLFIAVAVDGKPEYFP TISSRKLTKNSEADGMFAYVFHDEFVASMIPSDTFTTIIPDFDIYVYVYGFSSGNFVYFL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TLQPEMVSPPGSTTKEQVYTSKLVRLCKEDTAFNSYVEVPIGCERSGVEYRLLQAAY  
 LSKAGAVLGRITLGVHPDDDLLFTVFSKGGQKRKMKSLDESALCIFILKQINDRIKERLQ  
 SCYRGEGLDLAWLKVKDIPCSSALLTIDNFCGLDMNAPLGVSDMVRGIPVFTEDR  
 DRMTSVIAYVYKNHSLAFVGTKSGKLLKKSFGTGPQGGITQEWIGVAGDPPGANIASQ  
 EQMLCVYLQCSSHKAISDQRVQPLLCCFLNVPGNS

**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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