

## Plexin-A4 Protein, Human, Recombinant (His)

### General Information

Synonyms: PLXNA4A;Plexin-A4;PLXNA4;PLXNA4B;KIAA1550

Protein Construction: 25-521 aa

Species: Human

Expression Host: E. coli

Accession: Q9HCM2

Molecular Weight: 60.0 kDa (predicted)

AA Sequence: LLTRQPAPLSQKQRSFVTRGEPAEAGFNHLVVDERTGHIYLGAVNRIYKLSSDLKVLVTHETGPDEDNPKCYPP  
RIVQTCNEPLTTTNNVNMKMLLDYKENRLIACGSLYQGICKLLRLEDLFLKLGEPYHKKEHYLSGVNESGSVFGVI  
VSYSNLDDKLFIAATAVDGKPEYFPTISSRKLTKNSEADGMFAYVFHDEFVASMIPSDTFTIIPDFDIYYVYGFS  
SGNFVYFLTLQPEMVSPPGSTTKEQVYTSKLVRLCKEDTAFNSYVEVPIGCERSGVEYRLLQAAYLSKAGAVLG  
RTLGVHPDDDLLFTVFSKGQKRKMKSLDESALCIFILKQINDRIKERLQSCYRGEGLDLAWLKVKDIPCSSALL  
TIDDNFCGLDMNAPLGVSDMVRGIPVFTEDRDRMSTVIAYVYKNHSLAFVGTSGKLLKKSFGTGPQGGITQE  
WIGVAGDPPGANIASQEQLMCVYLQCSSHKAISDQRVQPLLCCFLNVPGENS

### QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 90% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

### Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

*Actual storage temperature shall be subject to the COA.*

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

## A DRUG SCREENING EXPERT

---

Coreceptor for SEMA3A. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance in the developing nervous system. Class 3 semaphorins bind to a complex composed of a neuropilin and a plexin. The plexin modulates the affinity of the complex for specific semaphorins, and its cytoplasmic domain is required for the activation of down-stream signaling events in the cytoplasm.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481