

## Product datasheet for **TP726806**

### Ephrin A4 (EFNA4) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant Human Ephrin-A4/EFNA4 (C-6His)   |
| Species:                              | Human  |
| Expression cDNA Clone or AA Sequence: | Leu26-Gly171   |
| Tag:                                  | C-His  |
| Buffer:                               | Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  |
| Note:                                 | Recombinant Human Ephrin-A4 is produced by our Mammalian expression system and the target gene encoding Leu26-Gly171 is expressed with a 6His tag at the C-terminus.   |
| Storage:                              | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.  |
| Stability:                            | 12 months from date of despatch  |
| Locus ID:                             | 1945   |
| UniProt ID:                           | <a href="#">P52798</a>   |
| Synonyms:                             | Ephrin-A4; EPH-Related Receptor Tyrosine Kinase Ligand 4; LERK-4; EFNA4; EPLG4; LERK4  |
| Summary:                              | Ephrin-A4 is a member of the ephrin ligand family which binds members of the Eph receptor family. All ligands share a conserved extracellular sequence, which most likely corresponds to the receptor binding domain. Ephrin-A4 consists of approximately 125 amino acids and includes four invariant cysteines, It has been shown to bind EphA2, EphA3, EphA4, EphA5, EphA6, EphA7, and EphB1. Ephrin-A4 binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. It may play a role in the interaction between activated B-lymphocytes and dendritic cells in tonsils. |
| Protein Families:                     | Secreted Protein   |
| Protein Pathways:                     | Axon guidance  |



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