

## Recombinant Human EFNA2 Protein, GST-tagged

**Cat. No.** EFNA2-3098H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human EFNA2 full-length ORF ( AAI48728.1, 1 a.a. - 213 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | <p>This gene encodes a member of the ephrin family. The protein is composed of a signal sequence, a receptor-binding region, a spacer region, and a hydrophobic region. The EPH and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, particularly in the nervous system. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. Posttranslational modifications determine whether this protein localizes to the nucleus or the cytoplasm. [provided by RefSeq, Jul 2008]</p> |
| <b>Molecular Mass</b>   | 50.38 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MAPAQRPLLPLLLLLLPLPPPPFARAEDAARANS DRYAVYWNRSNPRFHAGAGDDG<br>GGYTVEVSINDYLDIYCPHYGAPLPPAERMEHYVLYMVNGEGHASCDHRQRGFKR<br>WECNRPAAPGGPLKFSEKFQLFTPFSLGFEPGHEYYYISATPPNAVDRPCLRLKV<br>YVRPTNETLYEAPEPIFTSNNSCSSPGGCRLFLSTIPVLWTLGGS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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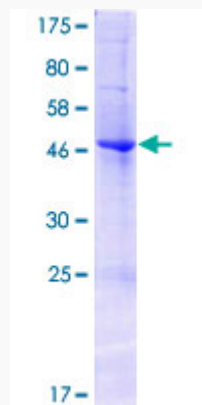
|                         |                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array         |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                    |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                  |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                  |
| <b>GENE INFORMATION</b> |                                                                                                                           |
| <b>Gene Name</b>        | EFNA2 ephrin-A2 [ Homo sapiens ]                                                                                          |
| <b>Official Symbol</b>  | EFNA2                                                                                                                     |
| <b>Synonyms</b>         | EFNA2; ephrin-A2; EPLG6; ELF 1; LERK6; HEK7 ligand; eph-related receptor tyrosine kinase ligand 6; ELF-1; HEK7-L; LERK-6; |
| <b>Gene ID</b>          | 1943                                                                                                                      |
| <b>mRNA Refseq</b>      | NM_001405                                                                                                                 |
| <b>Protein Refseq</b>   | NP_001396                                                                                                                 |
| <b>MIM</b>              | 602756                                                                                                                    |
| <b>UniProt ID</b>       | O43921                                                                                                                    |

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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