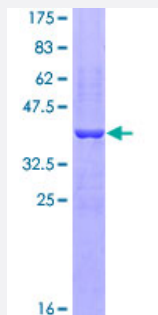


EFNB2 (Human) Recombinant Protein (Q01)

Catalog # H00001948-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human EFNB2 partial ORF (NP_004084, 28 a.a. - 127 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MLEPIYWNSSNSKFLPGQGLVLYPQIGDKLDIICPKVDSKTVGQYEEYKVMVDKQADRCTIKKE NTPLLNCAKPDQDIKFTIKFQEFSPNLWGLEFQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (98)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — EFNB2

Entrez GeneID [1948](#)

GeneBank Accession# [NM_004093](#)

Protein Accession# [NP_004084](#)

Gene Name EFNB2

Gene Alias EPLG5, HTKL, Htk-L, LERK5, MGC126226, MGC126227, MGC126228

Gene Description ephrin-B2

Omim ID [600527](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. 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. This gene encodes an EFNB class ephrin which binds to the EPHB4 and EPHA3 receptors. [provided by RefSeq]

Other Designations HTK ligand|eph-related receptor tyrosine kinase ligand 5|ephrin B2|ligand of eph-related kinase 5

Publication Reference

- [Treatment with ephrin B2 positively impacts the abnormal metabolism of human osteoarthritic chondrocytes.](#)

Kwan Tat S, Pelletier JP, Amiable N, Boileau C, Lavigne M, Martel-Pelletier J.

Arthritis Research & Therapy 2009 Aug; 11(4):R119.

Application: IF, WB-Tr, Human, HeLa cells

Pathway

- [Axon guidance](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Neovascularization](#)
- [Schizophrenia](#)