

Recombinant Rat EFNB3 Protein (28-227 aa), His-tagged

Cat. No. EFNB3-471R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat EFNB3 Protein (28-227 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Rat
Source	E.coli
ProteinLength	28-227 aa
Description	Cell surface transmembrane ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. May play a pivotal role in forebrain function. Binds to, and induce the collapse of, commissural axons/growth cones in vitro. May play a role in constraining the orientation of longitudinally projecting axons.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	26.0 kDa
AA Sequence	LSLEPVYWNSANKRFQAEGGYVLYPQIGDRLLCPRARPPGPHSSPSYEFYKLYL

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VEGAQGRRCEAPPAPNLLLTCDRPDLDRFTIKFQEYSPNLWGHEFRSHHDYIIAT
SDGTREGLESLQGGVCLTRGMKVLLRVGQSPRGGAVPRKPVSEMPMERDRGAAH
SAEPGRDTIPGDPSSNATSRGAEGPLPPPSMPA

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 [Efnb3 ephrin B3 \[Rattus norvegicus \]](#)

Official Symbol [EFNB3](#)

Synonyms EFNB3; ephrin B3; ephrin ligand B3; ELK-L3; RGD1565678;

Gene ID [360546](#)

mRNA Refseq [NM_001100980](#)

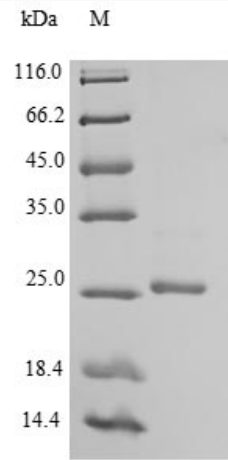
Protein Refseq [NP_001094450](#)

UniProt ID [O35393](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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