

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	LSLEPVYWNSANKRFQAEGGYVLYPQIGDRDLLCPRARPPGPHSSPSYEFYKLYL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	VEGAQGRRCEAPPAPNLLLTCDRPLDLRFTIKFQEYSPNLWGHEFRSHHDYYIIAT SDGTREGLES LQGGVCLTRGMKVLLRVGQSPRGGA VPRKPVSEMPMERDRGAAH 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.

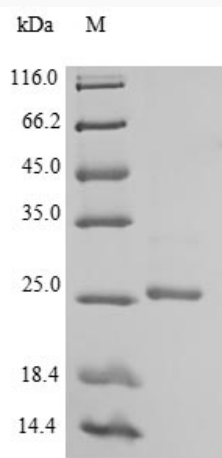
GENE INFORMATION

Gene Name	Efnb3 ephrin B3 [<i>Rattus norvegicus</i>]
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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA