Recombinant Human EFNB3 Protein, His-tagged

Cat. No. EFNB3-3106H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EFNB3 (NP_001397, 28 a.a. - 226 a.a.) partial recombinant protein with His tag expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	28-226 a.a.
Description	EFNB3, a member of the ephrin gene family, is important in brain development as well as in its maintenance. Moreover, since levels of EFNB3 expression were particularly high in several forebrain subregions compared to other brain subregions, it may play a pivotal role in forebrain function. 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. EPH Receptors typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin ligands and receptors have been named by the Eph Nomenclature Committee (1997). 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. The Eph family of receptors are similarly divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. [provided by RefSeq, Jul 2008]

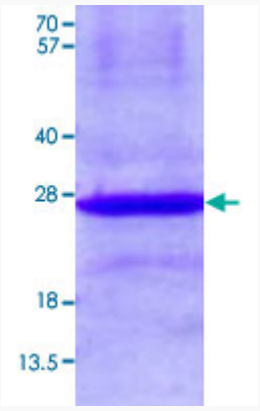
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Form	Liquid
Molecular Mass	24.6 kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMGSHMLSLEPVYWNSANKRFQAEGGYVLYPQIGD RLDLLCPRARPPGPHSSPNYEFYKLYLVGGAQGRRCEAPPAPNLLLTCDRPDLDLR FTIKFQEYSPNLWGHEFRSHHDYYIIATSDGTREGLESLQGGVCLTRGMKVLLRVGQ SPRGGAVPRKPVSEMPMERDRGAAHSLEPGKENLPGDPTSNATSRGAEGPLPPPS MP
Purity	> 90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Store at -20 centigrade. For long term storage store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In 20mM Tris-HCl buffer, pH 8.0 (20% glycerol, 0.1M NaCl, 2M urea).

GENE INFORMATION

Gene Name	EFNB3 ephrin-B3 [Homo sapiens]
Official Symbol	EFNB3
Synonyms	EFNB3; ephrin-B3; EPLG8; LERK 8; Ephrin B3; eph-related receptor tyrosine kinase ligand 8; EPH-related receptor transmembrane ligand ELK-L3; EFL6; LERK8;
Gene ID	1949
mRNA Refseq	NM_001406

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Protein Refseq	NP_001397
MIM	602297
UniProt ID	Q15768
Quality Control Testing	 3 μg/lane in 15% SDS-PAGE Stained with Coomassie Blue. Due to the protein nature, dimmers and multimers may be observed.

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