Recombinant Human ephrin-A3, His-tagged

Cat. No. EFNA3-579H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EFNA3, 23-214aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	23-214 a.a.
Description	EFNA3 is 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. Recombinant human EFNA3 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	24 kDa (217aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMQGPGG ALGNRHAVYW NSSNQHLRRE GYTVQVNVND YLDIYCPHYN SSGVGPGAGP GPGGGAEQYV LYMVSRNGYR TCNASQGFKR WECNRPHAPH SPIKFSEKFQ RYSAFSLGYE FHAGHEYYYI STPTHNLHWK CLRMKVFVCC ASTSHSGEKP VPTLPQFTMG PNVKINVLED

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	FEGENPQVPK LEKSISG
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	EFNA3 ephrin-A3 [Homo sapiens]
Official Symbol	EFNA3
Synonyms	EFNA3; ephrin-A3; EPLG3; Ehk1 L; LERK3; EFL-2; LERK-3; EHK1 ligand; ligand of eph-related kinase 3; eph-related receptor tyrosine kinase ligand 3; EFL2; Ehk1-L;
Gene ID	1944
mRNA Refseq	NM_004952
Protein Refseq	NP_004943
MIM	601381
UniProt ID	P52797
Chromosome Location	1q21-q22
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem;

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	EPHA forward signaling, organism-specific biosystem;
Function	ephrin receptor binding; transmembrane-ephrin receptor activity;

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