

Recombinant Human EFNA5 Protein, 21-203aa, C-hlgG-His tagged

Cat. No. EFNA5-038H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Ephrin-A5, 21-203aa, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect cells
ProteinLength	21-203aa
Description	Ephrin-A5, as known as EFNA5, is a member of the ephrin ligand family which binds the members of ephrin receptor subfamily of tyrosine kinases. This protein is expressed with the highest levels in human adult brain, heart, spleen, and ovary and human fetal brain, lung, and kidney. It is also expressed by muscle precursor cells and interacts with ephrin-A4 to restrict their migration to the correct locations during forelimb morphogenesis.
Form	Liquid
Bio-activity	Measured by its binding ability in a functional ELISA with Mouse EphA3. The ED50 range ≤ 60 ng/mL.
Molecular Mass	48.1 kDa (422aa)

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AA Sequence	QDPGSKAVADRYAVYWSSNPRFQRGDYHIDVCINDYLDVFCPHYEDSVPEDKTE RYVLYMVNFDGYSACDHTSKGFKRWEENRPHSPNGPLKFSEKFQLFTPFSLGFEF RPGREYFYISSAIPDNGRRSCLKLKVFVRPTNSCMKTIGVHDRVFDVNDKVENSLP ADDTVHESAEPSRGEN
Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE, Bioactivity
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by absorbance at 280nm)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
References	1. Son Al., et al. (2013) Mol. Vis. 19:254-266. 2. Wang TH., et al. (2012) FEBS J. 279:251-263.

GENE INFORMATION

Gene Name	EFNA5 ephrin-A5 [Homo sapiens (human)]
Official Symbol	EFNA5
Synonyms	EFNA5; ephrin-A5; EPLG7; AF1; LERK7; AL-1; LERK-7; eph-related receptor

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tyrosine kinase ligand 7; EFL5; RAGS; GLC1M

Gene ID 1946

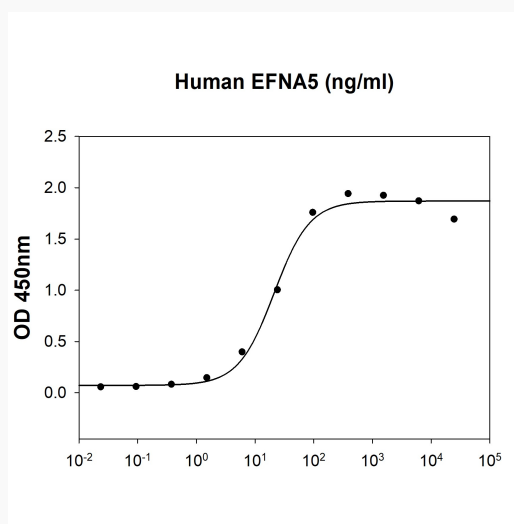
mRNA Refseq NM_001962

Protein Refseq NP_001953

MIM 601535

UniProt ID P52803

Biological Activity



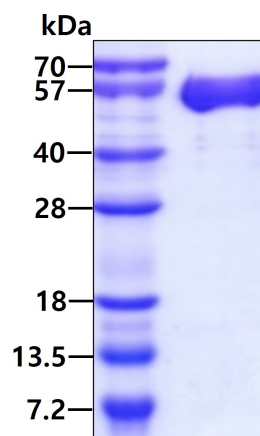
Mouse EphA3 is coated at 2 µg/mL (100 µL/well) can bind Human EFNA5. The ED50 range ≤ 60 ng/mL.

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SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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