

Recombinant Human EFNA2

Cat. No. EFNA2-28624TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Ephrin A2 with N-terminal proprietary tag. Predicted MW 50.43kDa.
Species	Human
Source	Wheat Germ
ProteinLength	213 amino acids
Description	This gene encodes a member of the ephrin family. The protein is composed of a signal sequence, a receptor-binding region, a spacer region, and a hydrophobic region. 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. 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. Posttranslational modifications determine whether this protein localizes to the nucleus or the cytoplasm.
Molecular Weight	50.430kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MAPAQRPLLPLLLLLLPLPPPPFARAEDAARANS DRYAVY WNRSNPRFHAGAGDD GGGYTVEVSINDYLDIYCPHYGAPL PPAERMEHYVLYMVNGEGHASCDHRQRGFK RWE CNRPAAP GGPLKFSEKFQLFTPFSLGFEFRPGHEY Y YISATPPNAVD RPCLRL KVYVRPTNETLYEAPEPIFTSNNSCSPGGCRLF LSTIPVLWTL LGS
Sequence Similarities	Belongs to the ephrin family.

GENE INFORMATION

Gene Name	EFNA2 ephrin-A2 [Homo sapiens]
Official Symbol	EFNA2
Synonyms	EFNA2; ephrin-A2; EPLG6; ELF 1; LERK6;
Gene ID	1943
mRNA Refseq	NM_001405
Protein Refseq	NP_001396
MIM	602756
Uniprot ID	O43921
Chromosome	19p13

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Location	
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; EPHA forward signaling, organism-specific biosystem;
Function	ephrin receptor binding;

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