

## Recombinant Human EFNA2

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human Ephrin A2 with N-terminal proprietary tag. Predicted MW 50.43kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	213 amino acids
<b>Description</b>	<p>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.</p>
<b>Molecular Weight</b>	50.430kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification

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

## GENE INFORMATION

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