

Recombinant Human EFNA1

Cat. No. EFNA1-28581TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Ephrin A1 with proprietary tag. Mol Wt. 48.62.
Species	Human
Source	Wheat Germ
ProteinLength	205 amino acids
Description	This gene encodes 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. This gene encodes an EFNA class ephrin which binds to the EPHA2, EPHA4, EPHA5, EPHA6, and EPHA7 receptors. Two transcript variants that encode different isoforms were identified through sequence analysis.
Molecular Weight	48.620kDa
Tissue specificity	Brain. Down-regulated in primary glioma tissues compared to the normal tissues. The soluble monomeric form is expressed in the glioblastoma multiforme (GBM) and breast cancer cells (at protein level).

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Biological activity	useful for Antibody Production and Protein Array
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% GlutathioneNote: Reduced glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the ephrin family.

GENE INFORMATION

Gene Name	EFNA1 ephrin-A1 [Homo sapiens]
Official Symbol	EFNA1
Synonyms	EFNA1; ephrin-A1; EPLG1, TNFAIP4; ECKLG; LERK1;
Gene ID	1942
mRNA Refseq	NM_182685
Protein Refseq	NP_872626
MIM	191164
Uniprot ID	P20827

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Chromosome Location	1q21-q22
Pathway	Arf6 signaling events, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; EPHA forward signaling, organism-specific biosystem; EPHA2 forward signaling, organism-specific biosystem;
Function	ephrin receptor binding; protein binding; receptor binding;

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