

Recombinant Human Ephrin-A4

Cat. No. EFNA4-1610H Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	Mammalian Cells
Description	<p>Ephrin-A4 is a glycoinositol phospholipid membrane anchor containing ephrin found in variety of adult tissue such as kidney, lung, colon and ovary. Ephrin-A4 is a ligand for the erythropoietin-producing hepatocellular (Eph) receptor family of tyrosine kinases. 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. Ephrin-A4 encodes an EFNA class ephrin. Ephrin-A4 (s) may play a role in the interaction between activated B lymphocytes and dendritic cells in human tonsils.</p>
Molecular Weight	<p>The predicted molecular weight of Recombinant Human Ephrin-A4 is 43.7 kDa. However, the actual molecular weight as observed by migration on SDS Page is 50 kDa.</p>
State Of Matter	Lyophilized.
Purity	>90% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Storage	This lyophilized protein is stable for six to twelve months when stored desiccated at -

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20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	EFNA4 ephrin-A4 [Homo sapiens]
Synonyms	EFNA4; ephrin-A4; EFL4; EPLG4; LERK4; MGC125826; ligand of eph-related kinase 4; eph-related receptor tyrosine kinase ligand 4; LERK-4; OTTHUMP00000033237; OTTHUMP00000033238; ephrin A4
Gene ID	1945
mRNA Refseq	NM_005227
Protein Refseq	NP_005218
MIM	601380
UniProt ID	P52798
Chromosome Location	1q21-q22
Pathway	Axon guidance
Function	transmembrane-ephrin receptor activity

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