Recombinant Human Ephrin-A3

Cat. No. EFNA3-1609H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	Mammalian Cells
Description	Ephrin-A3, also known as EFNA3 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. Ephrin-A3 encodes an EFNA class ephrin.
Molecular Weight	The predicted molecular weight of Recombinant Human Ephrin-A3 is 47.7 kDa. However, the actual molecular weight as observed by migration on SDS Page is 90 kDa.
State Of Matter	Lyophilized.
Formulation	This recombinant protein was 0.2 μm filtered and lyophilized from modified Dulbecco's phosphate buffered saline (1X PBS) pH 7.2 – 7.3 with no calcium, magnesium, or preservatives.

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Purity	>90% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/μg as determined by the LAL method.
Storage	This lyophilized protein is stable for six to twelve months when stored desiccated at -20℃ to -70℃. After aseptic reconstitution, this protein may be stored at 2℃ to 8℃ for one month or at -20℃ to -70℃ in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	EFNA3 ephrin-A3 [Homo sapiens]
Synonyms	EFNA3; ephrin-A3; EFL2; EPLG3; LERK3; Ehk1-L; ephrin A3; ligand of eph-related kinase 3; eph-related receptor tyrosine kinase ligand 3; EPH-related receptor tyrosine kinase ligand 3; LERK-3; EHK1-L; EFL-2; OTTHUMP00000033243; EHK1 ligand
Gene ID	1944
mRNA Refseq	NM_004952
Protein Refseq	NP_004943
MIM	601381
UniProt ID	P52797
Chromosome Location	1q21-q22

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Pathway	Axon guidance
Function	transmembrane-ephrin receptor activity

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