Recombinant Human EPHA3

Cat. No. EPHA3-26440TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 571-983 of Human Eph receptor A3 with N-terminal proprietary tag, expressed in a Baculovirus infected Sf9 cell expression system, 72kDa.
Species	Human
ProteinLength	571-983 a.a.
Description	This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. This gene encodes a protein that binds ephrin-A ligands. Two alternatively spliced transcript variants have been described for this gene.
Biological activity	Specific activity of Eph receptor A3 was determined to be 102 nmol/min/mg as per activity assay protocol.
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	Preservative: NoneConstituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	EPHA3 EPH receptor A3 [Homo sapiens]
Official Symbol	EPHA3
Synonyms	EPHA3; EPH receptor A3; EphA3 , ETK, ETK1, TYRO4; ephrin type-A receptor 3; HEK; HEK4;
Gene ID	2042
mRNA Refseq	NM_005233
Protein Refseq	NP_005224
MIM	179611
Uniprot ID	P29320
Chromosome Location	3p11.2
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; EPHA forward signaling, organism-specific biosystem; EphrinA-EPHA pathway, organism-specific biosystem;

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Function	ATP binding; GPI-linked ephrin receptor activity; nucleotide binding; protein binding; receptor activity;

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