Active Recombinant Human EPHB3 Protein (Leu38-Ala550), Fc tagged

Cat. No. EPHB3-30H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EPHB3 protein (Leu38-Ala550) with Fc tag was expressed in Mouse myeloma cell line.
Species	Human
Source	NS0
ProteinLength	Leu38-Ala550
Description	Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, 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. The Eph family of receptors are divided into two groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. This gene encodes a receptor for ephrin-B family members.
Form	Disulfide-linked homodimer
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human EphB3 Fc Chimera at 2 μg/mL (100 μL/well) can bind recombinant mouse Ephrin-B1 Fc Chimera with a linear range of 0.04-2.5 ng/mL

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Molecular Mass	Predicted Molecular Mass: 82.7 kDa (monomer) SDS-PAGE: 90-100 kDa under reducing conditions
N-terminal Sequence Analysis	Leu38
Endotoxin	< 0.01 EU/μg of the protein by the LAL method.
Purity	> 90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	Reconstitute at 200 μg/mL in PBS.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	EPHB3 EPH receptor B3 [Homo sapiens (human)]
Official Symbol	EPHB3
Synonyms	EPHB3; EPH receptor B3; EphB3, ETK2; ephrin type-B receptor 3; Hek2; Tyro6; EK2; EPH-like kinase 2; embryonic kinase 2; human embryo kinase 2; EPH-like tyrosine kinase 2; EPH-like tyrosine kinase-2; tyrosine-protein kinase TYRO6; ETK2; HEK2; TYRO6;

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Gene ID	2049
mRNA Refseq	NM_004443
Protein Refseq	NP_004434
MIM	601839
UniProt ID	P54753

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