

Recombinant Full Length Human EPHB4 Protein, C-Flag-tagged

Cat. No. EPHB4-1774HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human EPHB4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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 2 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. The protein encoded by this gene binds to ephrin-B2 and plays an essential role in vascular development.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	106.6 kDa
AA Sequence	MELRVLLCWASLAAALEETLLNTKLETADLKWVTFPQVDGQWEELSGLDDEEQHSVR TYEVCDVQRAPGQA HWLRTGWVPRRGAVHVYATLRFMTMLECLSLPRAGRSCKET

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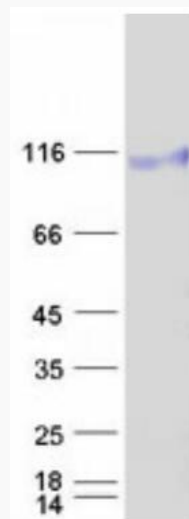
 45-1 Ramsey Road, Shirley, NY 11967, USA

FTVFYYESDADTATALTPAWMENPYIKVDT VAAEHLTRKRPGAEATGKVNKTLRL
 GPLSKAGFYLAHQDQGACMALLSLHLFYKKCAQLTVNLTRFPET VPRELVPVAGS
 CVVDAVPAPGPSPLYCREDGQWAEQVPTGCSCAPGFEEAEGNTKCRACAQGT
 KPLS GEGSCQPCPANSHSNTIGSAVCQCRVGYFRARTDPRGAPCTTPPSAPRSV
 SRLNGSSLHLEWSAPLES GREDLTIALRCRECRPGGSCAPCGDLTFDPGPRDL
 VEPWVVVRGLRPDFTYTFEVTALNGVSSLATGPV PFEPVNVTTDREVPPAVSDIRV
 TRSSPSSLSLAWAVPRAPSGAVLDYEVKYHEKGAEGPSSVRFLKTSEN RAE LRGLK
 RGASYLVQVRARSEAGYGPFGQEHSQTQLDESEGWREQLALIAGTAVGVVLVL
 VVIVVAV LCLRKQSNGREAEYSDKHGQYLIGHGTVYIDPFTYEDPNEAVREFAKEI
 DVS YVKIEEVIGAGEFGEVC RGR LKAPGKKESCAIKTLKGGYTERQRREFLSEASI
 MGQFEHPNIIRLEGVVTNSMPVMILTEFMENGA LDSFLRLNDGQFTVIQLVGMLRGI
 ASGMRYLAEMSYVHRDLAARNILVNSNLVCKVSDFGLSRFLEENSS DPTYTSSLGG
 KIPIRWTAPEAIAFRKFTSASDAWSYGIVMWEVMSFGERPYWDMSNQDVINAIEQDY
 RLP PPPDCPTSLHQLMLDCWQKDRNARPRFPQVVSALDKMIRNPASLKIVARENG
 GASHPLLDQRQPHYSAFG SVGEWLRAIKMG RYEE SFAAAGFGSFELVSQISAEDLL
 RIGVTLAGHQKKILASVQHMKSQAKPGTPGGT GGPAPQY TRTRPLEQKLISEEDLA
 ANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Protein Families	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways	Axon guidance
Full Length	Full L.
GENE INFORMATION	
Gene Name	EPHB4 EPH receptor B4 [Homo sapiens (human)]
Official Symbol	EPHB4
Synonyms	HTK; MYK1; HFASD; CMAVM2; LMPHM7; TYRO11
Gene ID	2050
mRNA Refseq	NM_004444.5
Protein Refseq	NP_004435.3
MIM	600011
UniProt ID	P54760

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Coomassie blue staining of purified EPHB4 protein.

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