Human EPHB1 Knockdown Cell Lysate

Cat. No. EPHB1-158HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated EPHB1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
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 is a receptor for ephrin-B family members.
Form	Cell-Tissue Lysis buffer
Molecular Mass	110 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.

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Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg EPHB1 KD HeLa cell lysate
Protein Families	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways	Axon guidance
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	EPHB1 EPH receptor B1 [Homo sapiens (human)]
Official Symbol	EPHB1
Synonyms	EPHB1; EPH receptor B1; EphB1, EPHT2; ephrin type-B receptor 1; Hek6; EK6; EPH-like kinase 6; eph tyrosine kinase 2; soluble EPHB1 variant 1; tyrosine-protein kinase receptor EPH-2; neuronally-expressed EPH-related tyrosine kinase; ELK; NET; EPHT2; FLJ37986;
Gene ID	2047
mRNA Refseq	NM_004441
Protein Refseq	NP_004432

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MIM	600600
UniProt ID	P54762

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