Active Recombinant Human EPHB2 protein

Cat. No. EPHB2-28579TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human EPHB2 protein(NP_059145.2) (Met 1-Leu 543) was expressed in HEK293 with six amino acids (ENLYFQ) at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-543 aa
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0.
Bio-activity	Immobilized human EPHB2 at 10 μg/ml (100 μl/well) can bind human EFNB2-Fch, The EC50 of human EFNB2-Fch is 18.2-42.7 ng/ml.
Molecular Mass	The recombinant human EPHB2 consists of 532 amino acids and predicts a molecular mass of 59 KDa. It migrates as an approximately 66 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	EPHB2 EPH receptor B2 [Homo sapiens]
Official Symbol	EPHB2
Synonyms	EPHB2; EPH receptor B2; DRT, EphB2 , EPHT3, ERK; ephrin type-B receptor 2; Hek5; Tyro5; EPH-like kinase 5; eph tyrosine kinase 3; elk-related tyrosine kinase; protein-tyrosine kinase HEK5; tyrosine-protein kinase TYRO5; renal carcinoma antigen NY-REN-47; tyrosine-protein kinase receptor EPH-3; developmentally-regulated Eph-related tyrosine kinase; DRT; EK5; ERK; CAPB; PCBC; EPHT3; MGC87492;
Gene ID	2048
mRNA Refseq	NM_004442
Protein Refseq	NP_004433
MIM	600997
UniProt ID	P29323

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