

Recombinant Human EPHB3 cell lysate

Cat. No. EPHB3-001HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EPHB3 / HEK2 (aa 585-998) derived in Baculovirus-Insect cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Human
Source	Insect Cells
ProteinLength	585-998 a.a.
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store

 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

it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add reducing agent prior to heating.

Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	EPHB3 EPH receptor B3 [Homo sapiens]
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;
Gene ID	2049
mRNA Refseq	NM_004443
Protein Refseq	NP_004434

 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

MIM	601839
UniProt ID	P54753
Chromosome Location	3q21-qter
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; EPHB forward signaling, organism-specific biosystem; EphrinB-EPHB pathway, organism-specific biosystem;
Function	ATP binding; axon guidance receptor activity; ephrin receptor activity; nucleotide binding; receptor activity;

 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