

Recombinant Human EPB41L1 293 Cell Lysate

Cat. No. EPB41L1-6587HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for erythrocyte membrane protein band 4.1-like 1 (EPB41L1), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

Size 0.1 mg

Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	EPB41L1 erythrocyte membrane protein band 4.1-like 1 [Homo sapiens]
Official Symbol	EPB41L1
Synonyms	EPB41L1; erythrocyte membrane protein band 4.1-like 1; band 4.1-like protein 1; KIAA0338; neuronal protein 4.1; neuron-type nonerythroid protein 4.1; 4.1N; MRD11; MGC11072; DKFZp686H17242;
Gene ID	2036
mRNA Refseq	NM_001258329
Protein Refseq	NP_001245258
MIM	602879
UniProt ID	Q9H4G0
Chromosome Location	20q11.2-q12
Pathway	Glutamate Binding, Activation of AMPA Receptors and Synaptic Plasticity, organism-specific biosystem; Neuronal System, organism-specific biosystem; Neurotransmitter Receptor Binding And Downstream Transmission In The Postsynaptic Cell, organism-specific biosystem; Tight junction, organism-specific biosystem; Tight junction,

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conserved biosystem; Trafficking of AMPA receptors, organism-specific biosystem;
Transmission across Chemical Synapses, organism-specific biosystem;

Function

actin binding; binding; cytoskeletal protein binding; structural molecule activity;

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