Recombinant Human GNB2L1 293 Cell Lysate

Cat. No. GNB2L1-5862HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1 (GNB2L1) 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	GNB2L1 guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1 [Homo sapiens]
Official Symbol	GNB2L1
Synonyms	GNB2L1; guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1; guanine nucleotide-binding protein subunit beta-2-like 1; Gnb2 rs1; H12.3; RACK1; Receptor for Activated C Kinase 1; lung cancer oncogene 7; proliferation-inducing gene 21; human lung cancer oncogene 7 protein; receptor of activated protein kinase C 1; cell proliferation-inducing gene 21 protein; guanine nucleotide-binding protein subunit beta-like protein 12.3; protein homologous to chicken B complex protein, guanine nucleotide binding; HLC-7; PIG21; Gnb2-rs1;
Gene ID	10399
mRNA Refseq	NM_006098
Protein Refseq	NP_006089
MIM	176981
UniProt ID	P63244
Chromosome Location	5q35.3

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Pathway	CXCR4-mediated signaling events, organism-specific biosystem; Hypoxic and oxygen homeostasis regulation of HIF-1-alpha, organism-specific biosystem; IGF1 pathway, organism-specific biosystem; IL-2 Signaling Pathway, organism-specific biosystem; IL-3 Signaling Pathway, organism-specific biosystem; Measles, organism-specific biosystem; Measles, conserved biosystem;
Function	SH2 domain binding; ion channel inhibitor activity; protein binding; protein kinase C binding; protein phosphatase binding; protein tyrosine kinase inhibitor activity; receptor binding; receptor tyrosine kinase binding;

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