

## Recombinant Human GNB2L1 293 Cell Lysate

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

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

<b>Gene Name</b>	GNB2L1 guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1 [ Homo sapiens ]
<b>Official Symbol</b>	GNB2L1
<b>Synonyms</b>	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;
<b>Gene ID</b>	10399
<b>mRNA Refseq</b>	NM_006098
<b>Protein Refseq</b>	NP_006089
<b>MIM</b>	176981
<b>UniProt ID</b>	P63244
<b>Chromosome Location</b>	5q35.3
<b>Pathway</b>	CXCR4-mediated signaling events, organism-specific biosystem; Hypoxic and oxygen

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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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