

Recombinant Human MYO6 293 Cell Lysate

Cat. No. MYO6-4006HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description Antigen standard for myosin VI (MYO6) 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.

Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil

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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	MYO6 myosin VI [Homo sapiens]
Official Symbol	MYO6
Synonyms	MYO6; myosin VI; deafness, autosomal recessive 37 , DFNA22, DFNB37; unconventional myosin-VI; KIAA0389; myosin-VI; unconventional myosin-6; DFNA22; DFNB37;
Gene ID	4646
mRNA Refseq	NM_004999
Protein Refseq	NP_004990
MIM	600970
UniProt ID	Q9UM54
Chromosome Location	6q14.1
Pathway	Gap junction degradation, organism-specific biosystem; Gap junction trafficking, organism-specific biosystem; Gap junction trafficking and regulation, organism-specific biosystem; Glutamate Binding, Activation of AMPA Receptors and Synaptic Plasticity, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem; Neuronal System, organism-specific biosystem; Neurotransmitter

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Receptor Binding And Downstream Transmission In The Postsynaptic Cell, organism-specific biosystem;

Function

ADP binding; ATP binding; actin binding; actin filament binding; actin filament binding; calmodulin binding; calmodulin binding; minus-end directed microfilament motor activity; motor activity; nucleotide binding; protein binding;

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