

Recombinant Human SEC24D 293 Cell Lysate

Cat. No. SEC24D-1991HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for SEC24 family, member D (<i>S. cerevisiae</i>) (SEC24D) 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

SEC24D SEC24 family, member D (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol

SEC24D

Synonyms

SEC24D; SEC24 family, member D (*S. cerevisiae*); SEC24 (*S. cerevisiae*) related gene family, member D; protein transport protein Sec24D; KIAA0755; SEC24-related protein D; SEC24 related gene family, member D; FLJ43974;

Gene ID

9871

mRNA Refseq

NM_014822

Protein Refseq

NP_055637

MIM

607186

UniProt ID

O94855

**Chromosome
Location**

4q26

Pathway

Adaptive Immune System, organism-specific biosystem; Antigen Presentation: Folding, assembly and peptide loading of class I MHC, organism-specific biosystem; Asparagine N-linked glycosylation, organism-specific biosystem; COPII (Coat Protein 2) Mediated Vesicle Transport, organism-specific biosystem; COPII complex,

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organism-specific biosystem; Class I MHC mediated antigen processing and presentation, organism-specific biosystem;

Function

molecular_function; zinc ion binding;

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