

Recombinant Human SEC31A Protein, His-tagged

Cat. No. SEC31A-001H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein from the full-length sequence of homo sapiens SEC31 homolog A, COPII coat complex component (SEC31A), transcript variant 5 (NM_001077207), with a His tag was expressed in human cells.
Species	Human
Source	Human Cells
Description	The protein encoded by this gene shares similarity with the yeast Sec31 protein, and is a component of the outer layer of the coat protein complex II (COPII). The encoded protein is involved in vesicle budding from the endoplasmic reticulum (ER) and contains multiple WD repeats near the N-terminus and a proline-rich region in the C-terminal half. It associates with the protein encoded by the SEC13 homolog, nuclear pore and COPII coat complex component (SEC13), and is required for ER-Golgi transport. Monoubiquitylation of this protein by CUL3-KLHL12 was found to regulate the size of COPII coats to accommodate unusually shaped cargo. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	132.8 kDa
Endotoxin	>Endotoxin level is < 0.1 ng/g of protein (<1EU/g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining
Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and

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protein-protein interaction studies; For research & development use only!

Storage Buffer

Purified protein formulated in a sterile solution of PBS buffer, pH7.2, without any preservatives

GENE INFORMATION

Gene Name

SEC31A SEC31 homolog A, COPII coat complex component [Homo sapiens (human)]

Official Symbol

SEC31A

Synonyms

SEC31A; SEC31 homolog A, COPII coat complex component; ABP125; ABP130; HSPC275; HSPC334; NEDSOSB; SEC31L1; protein transport protein Sec31A; SEC31 homolog A, COPII coating complex component; SEC31-like protein 1; SEC31-related protein A; web1-like protein; yeast Sec31p homolog

Gene ID

22872

mRNA Refseq

NM_001077207

Protein Refseq

NP_001070675

MIM

610257

UniProt ID

O94979

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