

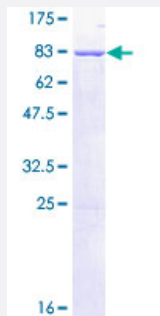
Full-Length

SIL1 (Human) Recombinant Protein (P01)

Catalog # H00064374-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SIL1 full-length ORF (NP_071909.1, 1 a.a. - 461 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAPQSLPSSRMAPLGMLLGLLMAACFTFCLSHQNLKEFALTNPEKSSTKETERKETKAEELDA
EVLEVFHPTHEWQALQPGQAVPAGSHVRLNLQTGEREAKLQYEDKFRNNLKGKRLDINTNTYTS
QDLKSALAKFKEGAEMESSKEDKARQAEVKRLFRPIEELKKDFDELNVVIETDMQIMVRLINKFNS
SSSSLEEKIAALFDLEYVHQMDNAQDLLSFGGLQVVINGLNSTEPLVKEYAAFVLGAASFSSNPKV
QVEAIEGGALQKLLVILATEQPLTAKKKVLFALCSLLRHFPYAQRQFLKLGGLQVLRTLVQEKGTE
VLAVRVVTLTYDLVTEKMFEEEEAELTQEMSPEKLQQYRQVHLLPGLWEQGWCEITAHLLALPEH
DAREKVLQTLGVLLTCRDRYRQDPQLGRTLASLQAEYQVLASLELQDGEDEGYFQELLGSVNSL
LKELR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

78.5

Interspecies Antigen Sequence

Mouse (84); Rat (85)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SIL1

Entrez GeneID	64374
GeneBank Accession#	NM_022464.4
Protein Accession#	NP_071909.1
Gene Name	SIL1
Gene Alias	BAP, MSS, ULG5
Gene Description	SIL1 homolog, endoplasmic reticulum chaperone (S. cerevisiae)
Omim ID	248800 608005
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a resident endoplasmic reticulum (ER), N-linked glycoprotein with an N-terminal ER targeting sequence, 2 putative N-glycosylation sites, and a C-terminal ER retention signal. This protein functions as a nucleotide exchange factor for another unfolded protein response protein. Mutations in this gene have been associated with Marinesco-Sjogren syndrome. Alternate transcriptional splice variants have been characterized. [provided by RefSeq]
Other Designations	BiP-associated protein SIL1 protein