Recombinant Human SIL1 Protein, His-tagged

Cat. No. SIL1-258H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIL1, transcript variant 1, fused with His tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Form	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4
Molecular Mass	49.8kD
AA Sequence	HQNLKEFALTNPEKSSTKETERKETKAEEELDAEVLEVFHPTHEWQALQPGQAVPA GSHVRLNLQTGEREAKLQYEDKFRNNLKGKRLDINTNTYTSQDLKSALAKFKEGAE MESSKEDKARQAEVKRLFRPIEELKKDFDELNVVIETDMQIMVRLINKFNSSSSSLEE KIAALFDLEYYVHQMDNAQDLLSFGGLQVVINGLNSTEPLVKEYAAFVLGAAFSSNP KVQVEAIEGGALQKLLVILATEQPLTAKKKVLFALCSLLRHFPYAQRQFLKLGGLQVL RTLVQEKGTEVLAVRVVTLLYDLVTEKMFAEEEAELTQEMSPEKLQQYRQVHLLPGL WEQGWCEITAHLLALPEHDAREKVLQTLGVLLTTCRDRYRQDPQLGRTLASLQAEY

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	QVLASLELQDGEDEGYFQELLGSVNSLLKELRVDHHHHHH
Endotoxin	Endotoxin level is <0.1 ng/μg of protein (<1EU/μg).
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	SIL1 SIL1 homolog, endoplasmic reticulum chaperone (S. cerevisiae) [Homo sapiens]
Official Symbol	SIL1
Synonyms	SIL1; SIL1 homolog, endoplasmic reticulum chaperone (S. cerevisiae); Marinesco Sjogren syndrome , MSS; nucleotide exchange factor SIL1; BAP; ULG5; BiP-associated protein; MSS;
Gene ID	64374
mRNA Refseq	NM_001037633
Protein Refseq	NP_001032722
MIM	608005
UniProt ID	Q9H173

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