

# Recombinant Human SIL1 Homolog, Endoplasmic Reticulum Chaperone (*S. cerevisiae*), His-tagged

Cat. No. SIL1-6832H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human SIL1 protein, fused to His-tag at C-terminus, was expressed in <i>E. coli</i> and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	<i>E. coli</i>
<b>ProteinLength</b>	32-461aa
<b>Description</b>	SIL1 is a resident endoplasmic reticulum, 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.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol.
<b>Molecular Mass</b>	50 kDa (439aa)
<b>AA Sequence</b>	MHQLNKEFAL TNPEKSSTKE TERKETKAEELDAEVLEVF HPTHEWQALQ PGQAVPAGSH VRLNLQTGER EAKLQYEDKF RNNLKGKRLD INTNTYTSQD LKSALAKFKE GAEMESSKED KARQAEVKRL FRPIEELKGD FDELNVVIET DMQIMVRLIN KFNSSSSSLE EKIAALFDLE YYVHQMDNAQ DLLSFGGLQV VINGLNSTEP LVKEYAAFVL GAAFSSNPKV QVEAIEGGAL QKLLVILATE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QPLTAKKKVL FALCSLLRHF PYAQRQFLKL GGLQVLRTL V QEKGTEVLAV  
 RVVTLLYDLV TEKMFAEEEA ELTQEMSPEK LQQYRQVHLL PGLWEQGWCE  
 ITAHLALPE HDAREKVLQT LGVLLTTCRD RYRQDPQLGR TLASLQAEYQ  
 VLASLELQDG EDEGYFQELL GSVNSLLKEL RLEHHHHHH

**Purity** >90% by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Concentration** 0.5 mg/ml (determined by Bradford assay)

## 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](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



<b>MIM</b>	608005
<b>UniProt ID</b>	Q9H173
<b>Chromosome Location</b>	5q31
<b>Pathway</b>	Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem;
<b>Function</b>	binding; unfolded protein binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA