

# Recombinant Full Length Human SIL1 Protein, Flag tagged

**Cat. No.** SIL1-001HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant protein of human SIL1 homolog, endoplasmic reticulum chaperone ( <i>S. cerevisiae</i> ) (SIL1), transcript variant 1 with Flag tag was expressed in HEK293.                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293T                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | 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. |
| <b>Form</b>             | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 48.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Notes</b>            | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>          | Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                 |

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**Concentration** > 0.05 µg/µL as determined by microplate BCA method

## GENE INFORMATION

**Gene Name** SIL1 SIL1 homolog, endoplasmic reticulum chaperone (S. cerevisiae) [ Homo sapiens (human) ]

**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

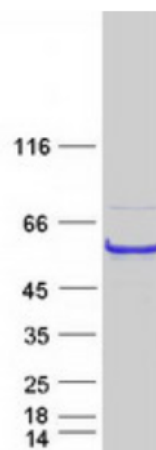
**MIM** 608005

**UniProt ID** Q9H173

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**SDS-PAGE**

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