

SIL1, 1-461aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP03939

3th Edition

Synonyms:BAP, MSS, ULG5

Description:Nucleotide exchange factor, also known as SIL1, is 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. Recombinant human SIL1 protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol.

Molecular Weight:50 kDa (439aa)

Sequences:

MHQNLKEFALTNPEKSSTKETERKETKAEELDAEVLEVFHPTHEWQALQPGQAVPAGSHVRLNLQTGEREAKLQ
YEDKFRNNLKGKRLDINTNTYTSQDLKSALAKFKEGAEMESSKEDKARQAEVKRLFRPIEELKKDFDELNVVIETDM
QIMVRLINKFNSSSSSLEEKIAALFDLEYVYHQMDNAQDLLSFGGLQVVINGLNSTEPLVKEYAAFVLGAAFSSNPKV
QVEAIEGGALQKLLVILATEQPLTAKKKVLFALCSLLRHFPYAQRQFLKLGGLQVLRTLVQEKGTEVLAVRVVTLTYD
LVTEKMFAEEEEAELTQEMSPEKLQYRQVHLLPGLWEQGWCEITAHLLALPEHDAREKVLQTLGVLLTTCRDRYR
QDPQLGRTLASLQAEYQVLASLELQDGEDEGYFQELLGSVNSLLKELRLEHHHHHH

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.