



# Recombinant Rat Nucleotide exchange factor SIL1 (Sil1)

<b>Product Code</b>	CSB-EP757584RA-B
<b>Abbreviation</b>	Sil1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q6P6S4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	CQNSNNFAL TNPEKSTHED SDTKETREE ELDAEVLEVL NPTQEWQALQ PGQAVPAGSH VRMNLQTGVN EVKLQQEDKF QSNWKGFKRG RRLDINTNTY TSQDLKSALA KFKEGTEMEN SKDELARQAT VKQLFRPIEE LKKEFDELNV VLETDMQIMV RLINKFNSSS SSLEEKVAAL FDLEYVYVHQM DNAQDLLSFG GLQVVINGLN STEPLVKEYA AFVLGAAFSS NPKVQVEAIE GGALQKLLVI LATEQPLPAK KKVLFALCSL LRHFYPAQQQ FLKLGGLQVL RSLVQEKSAK VLAVRVVTLT YDLVTEKMFA EEEAELTQES SPEKLQQYRQ VQLLPGLREQ GWCEITAQLL ALPEHDAREK VLQTLGALLA TCRDRYRQDL ELSRTLGSLQ AEYQALASLE LQEGEDDGYF RELLASIDSL VKELR
<b>Source</b>	E.coli
<b>Target Names</b>	Sil1
<b>Protein Names</b>	Recommended name: Nucleotide exchange factor SIL1
<b>Expression Region</b>	32-465
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</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>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

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