

## Product datasheet for **TP506614**

### **Bcs1l (NM\_025784) Mouse Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse BCS1-like (yeast) (Bcs1l), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206614 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MPFSDFVLALKDNPPYFGAGFGLVGVGTALAMARKGAQLGLVAFRRHYMITLEVPARDRSYAWLLSWLTR H STRTQHLSVETSYLQHESGRISTKFEFIPSPGNHFIWYQGWIRVERNDRMQMVDLQTGTPWESVTFTAL GTDRKVFFNILEEARALALQQEEGKTVMYTAVGSEWRTFGYPRRRRPLDSVLQQGLADRIKDIREFID NPKWYIDRGIPYRRGYLLYGPPGCGKSSFITALAGELEHSICLLSLTDSSLSDRLNHLLSVAPQQSLVL LEDVDAAFLSRDLAVENPIKYQGLGRLTFSGLLNALDGVASTEARIVFMTTNYIDRLDPALIRPGRVDLK EYVGYSHWQLTQMFQRFYPGQAPSLAENFAEHVLKATSEISPAQVQGYFMLYKNDPMGAVHNIESLR  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	47.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_080060</a></u>
Locus ID:	66821


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UniProt ID: [Q9CZP5](#)

RefSeq Size: 1829

Cytogenetics: 1 C3

RefSeq ORF: 1254

Synonyms: 9130022O19Rik

**Summary:** The protein encoded by this gene is a chaperone protein that is involved in the assembly of complex III (CIII), one of the five protein complexes of the mitochondrial respiratory chain, and is necessary for the insertion of the Rieske iron-sulfur (RISP) and Qcr10p proteins into the precomplex. Studies from the yeast ortholog of this protein indicate that it is targeted to the inner membrane of the mitochondria, despite the absence of an N-terminal targeting sequence. Positively charged amino acids located C-terminal to the transmembrane domain are thought to act as an internal targeting signal (PMID:8599931). Mutations in the human ortholog of this gene have been associated with GRACILE syndrome, characterized by Growth retardation, Amino aciduria, Cholestasis, Iron overload, Lactic acidosis, and Early death. Mouse models with the corresponding mutation mimic the phenotype of GRACILE syndrome and display decreased complex III activity and decreased electron transport capacity (PMID:21274865). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]