

## C1SB Protein, Mouse, Recombinant (His &amp; Myc)

## General Information

Synonyms:	Complement C1s-1 subcomponent;C1s2;C1sb;Complement C1s-B subcomponent;C1 esterase;Complement component 1, S subcomponent 2;C1s;Gm5077;Complement component 1 subcomponent s-B
Protein Construction:	16-688 aa
Species:	Mouse
Expression Host:	E. coli
Accession:	Q8CFG8
Molecular Weight:	82.4 kDa (predicted)
AA Sequence:	EPTMHGEILSPNYPQAYPNDDVVKSWDIEVPEGFGIHLVFTTHVDIEPSESCAYDSVQIISGGIEEGRICGQRTSKS PNSPIIEEFQFPYNKLVVFTSDFSIIEQFTGFAAYTAIDVNECTDFTDVPSCSHFCNNFIGGYFCSCPPEYFLHD DMRNCGVNCSGDVFTALIGEISSPNYPNPYPENSRCEYQIQLQEGFQVVVTMQREDFDVEPADSEGNCPSL TFAAKNQFGPYCGDGFPGPLTIRTQSNTLGVFQTDLMGQKKGWKLRYHGDPISCPKESTANSNWEPKA KYVFKDVVKITCVDGFEVVEGHVSSTSYSTCQSDGQWSNSGLKCPVYCGIPDPIANGKVEEPENSVFGTVI HYTCEEPYMEHEEGGEYRCAANGRWVNDQLGIELPRCIPVCGVPTPEFQVQKIFGGQPAKIENFPWQVF FNHPTAGGALINEYWVLTAAHVVEKNSDPSMYAGITALRLADLENAQRLYTKRVIIHPGWKEDDDLNPRTNF DNDIALVQLKDPVKMGPKFSPICLPGTSSEYNLSPGDMGLISGWGRTEKRLHVINLRGAKVPVTSLETCKQVK EENPTARPEDYVITDNMICAGEKGVDSCKGDSGGAFQVQVNVKAPKFYVAGLVSWGKKCGAYGVYTKVKN YVDWILKTMQENSGPRKD

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

## Preparation and Storage

## Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

C1s B chain is a serine protease that combines with C1q and C1r to form C1, the first component of the classical pathway of the complement system. C1r activates C1s so that it can, in turn, activate C2 and C4.

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