

Product datasheet for **TP503234**

C1qb (NM_009777) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse complement component 1, q subcomponent, beta polypeptide (C1qb), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203234 protein sequence Red =Cloning site Green =Tags(s)

MKTQWGEVWTHLLLLLLGFLHVSWAQSSCTGPPGIPGIPGVPGVPGSDGQPPTPGIKGEKGLPGLAGDLG
EFGEKGDPIGPTGKVGPKGPVGPKGTPGSPGPRGPKGDSGDYGATQKVAFSALRTINSPLRPNQVIRF
EKVITNANENYEPRNGKFTCKVPLYFTYHASSRGNLCVNLVGRDRDRSMQKVVTFCDYAQNFTFQVTTG
GVVLKLEQEEVHLQATDKNSLLGIEGANSIFTGFLLPDMA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	26.7 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:	NP_033907
Locus ID:	12260
UniProt ID:	P14106
RefSeq Size:	1062



[View online »](#)

Cytogenetics: 4 69.05 cM

RefSeq ORF: 762

Summary: C1q associates with the proenzymes C1r and C1s to yield C1, the first component of the serum complement system. The collagen-like regions of C1q interact with the Ca(2+)-dependent C1r(2)C1s(2) proenzyme complex, and efficient activation of C1 takes place on interaction of the globular heads of C1q with the Fc regions of IgG or IgM antibody present in immune complexes.[UniProtKB/Swiss-Prot Function]