

Product datasheet for **TP512073**

C4b (NM_009780) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of Mouse complement component 4B (Childo blood group) (C4b), full length, 20 µg
Species:	Mouse
Expression Host:	HEK293T



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Expression cDNA Clone >MR212073 representing NM_009780
 or AA Sequence: Red=Cloning site Green=Tags(s)

MRLWGLAWVFSFCASSLQKPRLLLFSPSVNLTGPLSVGVQLLDAPPQEVKGSVFLRNPKGGSCSPKK
 DFKLSSGDDFVLLSLEVPLEDVRSCLFDLRRRAPHIQLVAQSPWLRNTAFKATETQGVNLLFSSRRGHIF
 VQTDQPIYNPGQVRVYRVFALDQKMRPSTDFLTITVENSHGLRVLKKEIFTSTSIQDAFTIPDISEPGT
 WKISARFSDGLESNRSTHFEVKKYVLPNFEVKITPWKPYILMVPSNSDEIQLDIQARYIYGKPVQGVAYT
 RFALMDEQGKRTFLRGLLETQAKLVEGRTHISISKDQFQAALDKINIGVRDLEGLRLYAATAVIESPPGEM
 EEAELTSWRFVSSAFSLDLSRTKRHLVPGAHFLQALVQEMSGSEASNVPVKVSATLVSGSDSQVLDIQQ
 STNGIGQVSISFPIPTVTELRLLVSAGSLYPAIARLTVQAPSRGTGFLSIEPLDRSPSVGDTFILNL
 QPVGIPAPTFSHYYMIISRGQIMAMGREPRKTVTSVSVLVDHQLAPSFYFVAYFYHQHPVANSLINI
 QSRDCEGKLQKVDGAKEYRNADMMKLRIQTDSKALVALGAVDMALYAVGGRSHKPLDMSKVFEVINSYN
 VGCGPGGGDDALQVFQDAGLAFSDGDRLTQTREDLSCPKEKSRQKRNVNFKAVSEKLGQYSSPDAKRC
 CQDGMTKLPKRTCEQRAARVPQQACREPFLSCCKFAEDLRRNQTRSQAHLARNNHMLQEEDLIDEDDI
 LVRTSFPENWLWRVEPVDSKLLTVWLPDSMTTWEIHGVSLSKSKGLCVAKPTRVRFKFKHHLRPLIS
 IRRFEQFELRPVLYNLDVAVSVHVTPEGLCLAGGGMMAQQVTVPAGSARPVAFSVVPTAAANVPLK
 VWARGVFDLGDVSKILQIEKGAIHREELVYNLDPLNLLGRTLEIPGSSDPNIVPDGDFSSLRVTASE
 PLETMGSEGALSPGGVASLLRPLQGCQEQTMIYLAPTLTASNLYDRTEQWSKLSPETKDHAVDLIQKGYM
 RIQQFRKNDGSGFAGWLHRDSSTWLTAFVLKILSLAQEQVGNspeklQETASWLLAQQLGDGSGFHDPCPVI
 HRAMQGGLVGSDETVALTAFVIALHHGLDVFQDDAKQLKNRVEASITKANSFLGQKASAGLLGAHAAA
 ITAYALTLTKASEDLRNVAHNSLMAMAEEETGEHLYWGLVLGSQDKVLRPTAPRSPTEPVPQAPALWIET
 TAYALLHLLLREGKGMADKAASWLTHQGSFHGAFRSTQDTVWTLDALSAWIASHTTEEKALNVTLSSM
 GRNGLKTHGLHLLNNHQVKGLEELKFSLGSTISVKVEGNSKGTLKILRTYNVLDMKNTTCQDLQIEVKVT
 GAVEYAWDANEDYEDYYDMPAADDPSVPLQPVTPQLQFEGRRSRRRREAPKVVEEQESRVQYTVCIWRNG
 KLGLSGMAIADITLLSGFHALRADLEKLTSLSDRYVSHFETDGPVHLLYFDSVPTTREC VGFGASQEVV
 GLVQPSSAVLYDYSPDHKCSVFYAAPTQSLLATLCSGDVCQCAEGKCPRLLSLERRVEDKGYRMRF
 ACYYPRVEYGFTVKVLRREDGRAAFRLFESKITQVLHFRKDTMASIGQTRNFLSRASCRLRLEPNKEYLIM
 GMDGETSDNKGDPQYLLDSNTWIEEMPSEQMCKSTRHRAACFQLKDFLMEFSSRGCQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

- Tag:** Myc-DDK
- Predicted MW:** 192.9 kDa
- Concentration:** >0.05 µg/µL as determined by microplate Bradford method
- Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining
- Buffer:** 25 mM Tris.HCl, pH7.3, 100 mM glycine, 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 at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_033910](#)

Locus ID: 12268

UniProt ID: [P01029](#), [Q3TYN1](#)

RefSeq Size: 5427

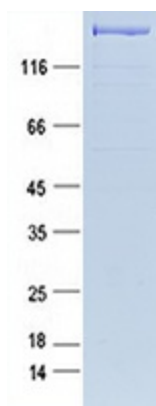
Cytogenetics: 17 18.29 cM

RefSeq ORF: 5214

Synonyms: C4; Ss

Summary: Non-enzymatic component of C3 and C5 convertases and thus essential for the propagation of the classical complement pathway. Covalently binds to immunoglobulins and immune complexes and enhances the solubilization of immune aggregates and the clearance of IC through CR1 on erythrocytes. Catalyzes the transacylation of the thioester carbonyl group to form ester bonds with carbohydrate antigens (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified C4b protein (Cat #TP512073). The protein was produced from mammalian cells transfected with C4b cDNA clone (Cat #[MR212073]).