

Product datasheet for **TP526388**

C3 (NM_009778) Mouse Recombinant Protein

Product data:

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|-------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse complement component 3 (C3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |



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Expression cDNA >MR226388 representing NM_009778
Clone or AA Red=Cloning site Green=Tags(s)
Sequence:

MGPASGSQLLVLLLLASSPLALGIPMYSIITPNVLRLESEETIVLEAHDAQGDIPVTVTVQDFLKRQVL
TSEKTVLTGASGHLRSVSIKIPASKEFNSDKEGHKYVTWANFGETVVEKAVMVSFQSGYLFIQTDKTIY
TPGSTVLYRIFTVDNLLPVGKTVVILIETPDGIPVKRDILSSNNQHILPLSWNIPELVNMGQWKIRAF
YEHAPKQIFSAEFEVKEYVLPSEFVRVEPTETFFYIDDPNGLEVSIIAKFLYGKNVDGTAFVIFGVQDGD
KKISLAHSLTRVIEDGVGDAVLTRKVLMEGVRPSNADALVGKSLYVSVTVILHSGSDMVEAERSGIPIV
TSPYQIHFTKTPKFFKPAMPFDLMVFTNPDGSPASKVLVVTQGSNAKALTQDDGVAKLSINTPNSRQPL
TITVRTKKDTPESRQATKTMEAHPYSTMHNSNNYLHLSVSRMELKPGDNLNVNFHLRTPDGHEAKIRYY
TYLVMNKGKLLKAGRQVREPGQDLVVLSPITPEFIPSFRLVAYYTLIGASGQREVVADSVWVDVKDSCI
GTLVVKGDPRDNHLAPGQQTTLRIEGNQGARVGLVAVDKGVFVNLKKNKLTQSKIWDVVEKADIGCTPGS
GKNYAGVFM DAGLAFKTSQGLQTEQRADLECTKPAARRRRSVQLMERRMDKAGQYTDKGLRKCCEGDMRD
IPMRYSCQRRARLITQGENCIKAFIDCCNHITKLRREQHRRDHVGLLARSELEEDIPEEDIISRSHFPQS
WLWTIEELKEPEKNGISTKVMNIFLKDSITTWEILAVSLSDKKGICVADPYEIRVMQDFFIDLRLPYSV
RNEQVEIRAVLFNYREQEELKVRVELLHNPFCMSATAKNRYFQTIKIPKSSVAVPYVIVPLKIGQQEV
EVKAAVFNHFISDGVKTKLVVPEGMRINKTVAIHTLDPEKLGQGGVQKVDVPAADLSDQVPTDSETRI
ILQGSPVQMAEDAVIDGERLKHIVTPAGCGEQNMIGMTPTVIAVHYLDQTEQWEKFGIEKRQEALIK
KGYTQQLAFKQSSAYAAFNNRPPSTWLTAYVVKVFLAANLIAIDSHVLCGAVKWLILEKQKPDGVFQE
DGPVIHQEMIGGFRNAKEADVSLTAFVLIALQEARDICEGQVNSLPGSINKAGEYIEASYMNLQRPYTVA
IAGYALALMNKLEPYLGKFLNTAKDRNRWEEPQQLYNVEATSALLALLLLKDFDSDVPPVVRWLNEQR
YYGGGYGSTQATFMVFQALAQYQTDVDPDHKDLNMDVSFHLPSRSSATFRLLWENGNLLRSEETKQNEAF
SLTAKGKGRGTLSSVAVYHAKLKSIVTCKKFDLRSIRPAPETAKKPEEAKNTMFLEICTKYLGDVDATM
SILDISMMTGAFAPDTKDLELLASGVDRYISKYEMNKAFSNKNTLIYLEKISHTTEEDCLTFKVHQYFNVG
LIQPGSVKVYSYNNLEESCTRFYHPEKDDGMLSKLCHSEMCRCAEENCFMQQSQEKINLNVRLDKACEPG
VDYVYKTELNIELDDFDEYTMIIQQVIKSGSDEVQAGQQRKFISHIKCRNALKLQKGKYLMLWGLSSD
LWGEKPNTSYIIGKDTWVEHWPEAEECQDQKYQKQCEELGAFTESMVYGCNP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 186.9 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_033908](#)

Locus ID: 12266

UniProt ID: [P01027](#)

RefSeq Size: 5147

Cytogenetics: 17 29.72 cM

RefSeq ORF: 4989

Synonyms: AI255234; ASP; HSE-MSF; Plp

Summary: This gene encodes complement protein C3 which plays a central role in the classical, alternative and lectin activation pathways of the complement system. The encoded preproprotein undergoes a multi-step processing to generate various functional peptides. Mice deficient in the encoded protein fail to clear bacteria from the blood stream upon infection, display diminished airway hyperresponsiveness and lung eosinophilia upon allergen-induced pulmonary allergy, and develop severe lung injury after deposition of IgG immune complexes. Deficiency of the homolog of the encoded protein in humans was found to be associated with increased susceptibility to infections, age-related macular degeneration, and atypical hemolytic uremic syndrome. [provided by RefSeq, Mar 2015]