

Product datasheet for TP303784

C5R1 (C5AR1) (NM_001736) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human complement component 5a receptor 1 (C5AR1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203784 protein sequence Red =Cloning site Green =Tags(s)
	MNSFNYYTPDYGHYDDKDTLDLNTVPDKTSNTLRVPDILALVIFAVFLVGVLGNALVWVTAFAEKRTI NAIWFLNLAVADFLSCLALPILFTSIVQHHPFGGAACSILPSLILLNMYASILLLATISADRFLLVFK PIWCQNFRGAGLAWIACAVAWGLALLLTIPSFLYRVVREYFPPKVLGVDYSHDKRRERAVAIIVRLVVG FLWPLLTLTICYTFILLRTWSRRATRSTKTLKVVAVVASFFIFWLPYQVTGIMMSFLEPSSPTFLLLNK LDSLCSVFAYINCCINPIIYVAGQGFGRLRKLSPLLRNVLTEESVRESKSFTRSTVDTMAQKTQAV
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	39.1 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
Bioactivity:	Binding assay (PMID: 29981048)
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_001727



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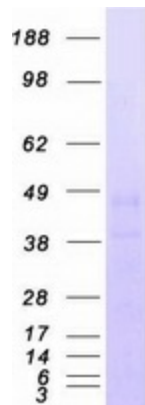
Locus ID: 728
UniProt ID: [P21730](#)
RefSeq Size: 2342
Cytogenetics: 19q13.32
RefSeq ORF: 1050
Synonyms: C5A; C5AR; C5R1; CD88

Summary: Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a (PubMed:1847994, PubMed:8182049, PubMed:7622471, PubMed:9553099, PubMed:10636859, PubMed:15153520, PubMed:29300009). The ligand interacts with at least two sites on the receptor: a high-affinity site on the extracellular N-terminus, and a second site in the transmembrane region which activates downstream signaling events (PubMed:8182049, PubMed:7622471, PubMed:9553099). Receptor activation stimulates chemotaxis, granule enzyme release, intracellular calcium release and superoxide anion production (PubMed:10636859, PubMed:15153520).[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Complement and coagulation cascades, Neuroactive ligand-receptor interaction

Product images:



Coomassie blue staining of purified C5AR1 protein (Cat# TP303784). The protein was produced from HEK293T cells transfected with C5AR1 cDNA clone (Cat# [RC203784]) using MegaTran 2.0 (Cat# [TT210002]).