

#### OriGene Technologies, Inc.

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# Product datasheet for TP303784

#### C5R1 (C5AR1) (NM\_001736) Human Recombinant Protein

### **Product data:**

Description:Recombinant protein of human complement component 5a receptor 1 (C5AR1), 20 µgSpecies:HumanExpression Host:HEK293TExpression cDNA Clome or AA Sequence:ReC03784 protein sequence Red-Cloning site Green=Tags(s)MNSFNYTTPDYGHYDDKDTLDLNTPVDKTSNTLRVPDILALVIFAVVFLVGVLGNALVWVTAFEAKRTI NAWFLNLAVADFLSCLALPILFTSIVQHHHWPFGGAACSILSULLINMYASILLLATISADRFLLVFK PIWCQNFRGAGLAWIACAVAWGLALLTIPSFLYRVNREEYPPKVLCGVDYSHDKRERAVAIVRLVAPV DSUCVSFAVINCCINPIIYVAGQGFQGRLRKSLPSLLRNVLTEESVVRESKSFTRSTVDTMAQKTQAVTag:C.Myc/DDKFrederdet MW:3.1 kDaConcentration:0.05 µg/µL as determined by microplate BCA methodPurity:80% as determined by SDS-PAGE and Coomassie blue stainingBildefr:0.05 µg/µL as determined by SDS-PAGE and Coomassie blue stainingPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:Sorie diso for ell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Stability:Stabilof 12 months from the date of receipt of the product under proper storage and handing conditions. Avoid repeated freeze-thaw cycles.Refseq:NP 00172Z	Product Type:	Recombinant Proteins		
Fxpression Host:HEK293TExpression CDNA CloopRC203784 protein sequence Red=Cloning site Green=Tags(s)WhSFNYTTPDYGHYDDKDTLDLNTPVDKTSNTLRVPDIALVIFAVVFLVGVLGNALVWVTAFEAKRTI NAIWFLNLAVADFLSCLALPILFTSIVQHHHWPFGGAACSILPSLILLNMYASILLLATISADRFLLVFK PIWCQNFRGAGLAWIACAVAWGLALLTIPSFLYRVVREEYFPPKVLCGVDYSHDKRRERAVAIVRLVLG FLWPLLTLTICYTFILLRTWSRRATRSTKTLKVVVAVASFIFWLPYQVTGIMMSFLEPSSPTFLLLNK LDSLCVSFAYINCCINPII/VVAGQGFQGRLRKSLPSLLRNVLTEESVVRESKSFTRSTVDTMAQKTQAVTag:CMyc/DDKFag:C-Myc/DDKPredicted MW:39.1 kDaConcentration:0.05 µg/µL as determined by microplate BCA methodPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:0.05 µg/µL as determined by SDS-PAGE and Coomassie blue stainingBioactivity:> 80% as determined by SDS-PAGE and Coomassie blue stainingPreparation:Corcembinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For esting in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Stora t-80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handing conditions. Avoid repeated freeze-thaw cycles.	Description:	Recombinant protein of human complement component 5a receptor 1 (C5AR1), 20 $\mu g$		
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handling conditions. Avoid repeated freeze-thaw cycles.	Storage:	Store at -80°C.		
<b>RefSeq:</b> <u>NP 001727</u>	Stability:			
	RefSeq:	<u>NP 001727</u>		



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	C5R1 (C5AR1) (NM_001736) Human Recombinant Protein – TP303784
Locus ID:	728
UniProt ID:	<u>P21730</u>
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 Pathway	s: Complement and coagulation cascades, Neuroactive ligand-receptor interaction

## Product images:

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98	-	
62	_	
49	-	
38	_	
28	_	
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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]).

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