

## Product datasheet for PH303784

### C5R1 (C5AR1) (NM\_001736) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	C5AR1 MS Standard C13 and N15-labeled recombinant protein (NP_001727)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203784
Predicted MW:	39.3 kDa
Protein Sequence:	>RC203784 protein sequence Red=Cloning site Green=Tags(s)

MNSFNYYTPDYGHYDDKDTLDLNTVPVDKTSNTRLRVPDILALVIFAVVFLVGVLGNALVWVWTAFEAKRTI  
NAIWFLNLAVADFLSCLALPILFTSIVQHHWPFGGAACSIPLSLILLNMYASILLLATISADRFLLVFK  
PIWCQNFVRGAWIACAVAWGLALLLTIPSFLYRVVREEYFPPKVLGVDYSHDKRRERAVAIIVRLVGL  
FLWPLLTLTICYTFILLRTWSRRATRSTKTLKVVAVVASFFIFWLPYQVTGIMMSFLEPSSPTFLLLNK  
LDSLCSFAYINCCINPIIYVVAGQGFQGRRLKSLPSLLRNVLTEESVVRESKSFTRSTVDTMAQKTQAV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001727</u>
RefSeq Size:	2342
RefSeq ORF:	1050
Synonyms:	C5A; C5AR; C5R1; CD88
Locus ID:	728



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UniProt ID: [P21730](#)

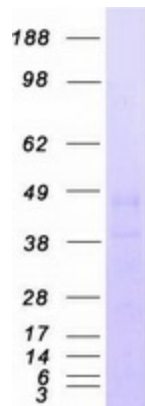
Cytogenetics: 19q13.32

**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]).