

Active Recombinant Full Length Human C5AR1 Protein, C-Flag-tagged

Cat. No. C5AR1-348HFL **Lot. No.** (See product label)

SPECIFICATION	
Product Overview	Recombinant Full Length Human C5AR1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Enables G protein-coupled receptor activity and complement component C5a receptor activity. Involved in several processes, including complement component C5a signaling pathway; mRNA transcription by RNA polymerase II; and positive regulation of ERK1 and ERK2 cascade. Located in apical part of cell and basolateral plasma membrane. Biomarker of Alzheimer's disease; asthma; chronic obstructive pulmonary disease; rhinitis; and severe acute respiratory syndrome.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Binding assay
Molecular Mass	39.1 kDa
AA Sequence	MNSFNYTTPDYGHYDDKDTLDLNTVPDKTSNTLRVPDILALVIFAVVFLVGVLGNALV VWVTAFEAKRTI NAIWFLNLAVADFLSCLALPILFTSIVQHHHWPFGGAACSLPSLIL LNMYASILLLATISADRFLLVFK PIWCQNFRGAGLAWIACAWGLALLLTIPSFLYRV VREEYFPPKVLGVDYSHDKRRERAVAIVRLVLG FLWPLLTLCITYTFILLRTWSRRA

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TRSTKTLKVVVAVVASFFIFWLPYQVTGIMMSFLEPSSPTFLLLNK LDSLCVSFAYIN
CCINPIIYVAGQGFGRLRKSLSLLRNVLTEESVVRESKSFTRSTVDTMAQKTQA
VTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Complement and coagulation cascades, Neuroactive ligand-receptor interaction
Full Length	Full L.

GENE INFORMATION

Gene Name	C5AR1 complement C5a receptor 1 [Homo sapiens (human)]
Official Symbol	C5AR1
Synonyms	C5A; C5AR; C5R1; CD88
Gene ID	728

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mRNA Refseq	NM_001736.4
Protein Refseq	NP_001727.2
MIM	113995
UniProt ID	P21730

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