

Recombinant Full Length Human C3AR1 Protein, C-Flag-tagged

Cat. No. C3AR1-694HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human C3AR1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	C3a is an anaphylatoxin released during activation of the complement system. The protein encoded by this gene is an orphan G protein-coupled receptor for C3a. Binding of C3a by the encoded receptor activates chemotaxis, granule enzyme release, superoxide anion production, and bacterial opsonization.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	53.7 kDa
AA Sequence	MASFSAETNSTDLLSQPWNEPPVILSMVILSLTFLLGLPGNGLVLWVAGLKMQRVTN TIWFLHLTLADLL CCLSLPFSLAHLALQGQWPYGRFLCKLIPSIIVLNMFASVFLTAIS LDRCLVVKPIWCQNHRNVGMAC SICGCIWVAVFVMCIPVFVYREIFTTDNHNRCG YKFGLSDDLDPDFYGDPLENRSLENIVQPPGEMNDR LDPSSFQTNDHPWTVPTVF QPQTFQRPSADSLPRGSARLTSQNLVSNVFKPADVVSPKIPSGFPIEDHET SPLDNS DAFLSTHLKLFPSASSNSFYSELPQGFQDYYNLGQFTDDDQVPTPLVAITITRLVVG FLLPSV IMIACYSFIVFRMQRGRFAKSQSKTFRVAVVVAVFLVCWTPYHIFGVLSLL TDPETPLGKTLMSWDHVC

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	IALASANSCFNPFYALLGKDFRKKARQSIQGILEAAFSEELTRSTHCPSNNVISERNS TTVTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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	C3AR1 complement C3a receptor 1 [Homo sapiens (human)]
Official Symbol	C3AR1
Synonyms	AZ3B; C3AR; HNFAG09
Gene ID	719

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mRNA Refseq	NM_004054.4
Protein Refseq	NP_004045.1
MIM	605246
UniProt ID	Q16581

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