

# Recombinant Full Length Human C5AR1 Protein

**Cat. No.** C5AR1-2653HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human C5AR1 full-length ORF (NP_001727.1) recombinant protein without tag.                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 689 amino acids                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | C5AR1 (Complement C5a Receptor 1) is a Protein Coding gene. Diseases associated with C5AR1 include Listeria Meningitis and Malaria. Among its related pathways are Peptide ligand-binding receptors and Innate Immune System. GO annotations related to this gene include G-protein coupled receptor activity and complement component C5a binding. An important paralog of this gene is C5AR2. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 39.3 kDa                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MNSFNYYTTPDYGHYDDKDTLDLNTVPDKTSNTRLRVPDILALVIFAVVFLVGVLGNALV<br>VWVTAFEAKRTINAIWFLNLAVADFLSCLALPILFTSIVQHHHWPFGGAACSILPSLILL<br>NMYASILLLATISADRFLLVFKPIWCQNFRGAGLAWIACAVAWGLALLLTIPSFLYRVV<br>REEYFPPKVLGVDYSHDKRRERAVAIVRLVLGFLWPLLTLTICYTFILLRTWSRRAT<br>RSTKTLKVVVAVVASFFIFWLPYQVTGIMMSFLEPSSPTFLLLNKLDSLCVSFAYINCC<br>INPIIYVVAGQGFGQRLRKSLPSLLRNVLTEESVVRESKSFTTRSTVDTMAQKTQAV            |

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|-----------------------|--------------------------------------------------------------------------|
| <b>Applications</b>   | Antibody Production<br>Functional Study<br>Compound Screening            |
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 25 mM Tris-HCl of pH8.0 containing 2% glycerol.                          |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | C5AR1 complement component 5a receptor 1 [ Homo sapiens ]                                                                                                                                                                                         |
| <b>Official Symbol</b> | C5AR1                                                                                                                                                                                                                                             |
| <b>Synonyms</b>        | C5AR1; complement component 5a receptor 1; C5R1, complement component 5 receptor 1 (C5a ligand); C5a anaphylatoxin chemotactic receptor; C5A; C5AR; CD88; C5a-R; C5a ligand; C5a anaphylatoxin receptor; complement component 5 receptor 1; C5R1; |
| <b>Gene ID</b>         | 728                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>     | NM_001736                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>  | NP_001727                                                                                                                                                                                                                                         |
| <b>MIM</b>             | 113995                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>      | P21730                                                                                                                                                                                                                                            |

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