

# Recombinant Human C3AR1 protein, His-tagged

**Cat. No.** C3AR1-3499H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human C3AR1 protein(165-330 aa), fused with N-terminal His tag, was expressed in E.coli.                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 165-330 aa                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole. |
| <b>AASequence</b>       | TTDNHNRCGYKFGLSSSLDYPDFYGDPLENRSLENIVQPPGEMNDRDPSSFQTND<br>HPWTVPTVFQPQTFQRPSADSLPRGSARLTSQNLYSNVFKPADVVSPKIPSGFPIED<br>HETSPLDNSDAFLSTHLKLFPSASSNSFYESELPPQGFQDYYNLGQFTDDDQVP                                                                                                                                                                                               |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.                                                                                                                                                                        |
| <b>Reconstitution</b>   | Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25                                                                                                                                                                                                                                                                                      |

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g/μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

## GENE INFORMATION

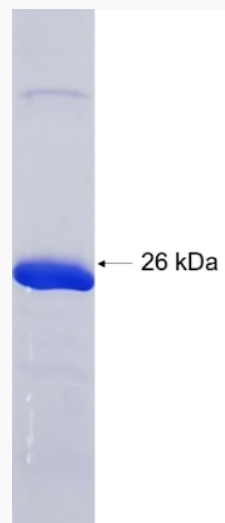
|                 |                                                                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | C3AR1 complement component 3a receptor 1 [ Homo sapiens ]                                                                                         |
| Official Symbol | C3AR1                                                                                                                                             |
| Synonyms        | C3AR1; complement component 3a receptor 1; C3a anaphylatoxin chemotactic receptor; AZ3B; C3AR; C3a-R; complement component 3 receptor 1; HNFAG09; |
| Gene ID         | 719                                                                                                                                               |
| mRNA Refseq     | NM_004054                                                                                                                                         |
| Protein Refseq  | NP_004045                                                                                                                                         |
| MIM             | 605246                                                                                                                                            |
| UniProt ID      | Q16581                                                                                                                                            |

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**SDS-PAGE**



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