

Datasheet for ABIN7552951
C5AR1 Protein (AA 1-350) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | C5AR1 |
| Protein Characteristics: | AA 1-350 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This C5AR1 protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant C5AR1 Protein expressed in mammalian cells. |
| Sequence: | MDSFNYYTPD YGHYDDKDTL DLNTPVDKTS NTLRVPDILA LVIFAVVFLV GVLGNALVWV VTAFEAKRTI NAIWFLNLAV ADFLSCLALP ILFTSIVQHH HWPFGGAACS ILPSLILLNM YASILLLATI SADRFLLVFK PIWCQNFRGA GLAWIACAVA WGLALLLTIP SFLYRVVREE YFPPKVLGCV DYSHDKRRER AVAIVRLVLG FLWPLLTLTI CYTFILLRTW SRRATRSTKT LKVVAVVAS FFIWLPYQV TGIMMSFLEP SSPTFLLLKK LDSLCVSFAY INCCINPIIY VVAGQGFQGR LRKSLPSLLR NVLTEESVVR ESKSFTRSTV DTMAQKTQAV Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us. |
| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer. |
| Characteristics: | Key Benefits: |

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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| Purity: | > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC) |
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| Grade: | custom-made |
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Target Details

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| Target: | C5AR1 |
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| Alternative Name: | C5AR1 (C5AR1 Products) |
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| Background: | C5a anaphylatoxin chemotactic receptor 1 (C5a anaphylatoxin chemotactic receptor) (C5a-R) (C5aR) (CD antigen CD88),FUNCTION: 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). {ECO:0000269 PubMed:10636859, ECO:0000269 PubMed:15153520, ECO:0000269 PubMed:1847994, ECO:0000269 PubMed:29300009, ECO:0000269 PubMed:7622471, ECO:0000269 PubMed:8182049, ECO:0000269 PubMed:9553099}. |
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| Molecular Weight: | 39.3 kDa |
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| UniProt: | P21730 |
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Target Details

Pathways: [Complement System](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months