

## CD88 (C5aR) recombinant protein

CatalogNo: YD3003

### | Key Features

#### Reactivity

- Human

### | Storage

**Storage\*** -15°C to -25°C/1 year(Avoid freeze / thaw cycles)

**Formulation** Phosphate-buffered solution

### | Recommended Dilution Ratios

### | Basic Information

**Source** Mammalian cells

**Purification** Mammalian cells

**Purity** >90% as determined by SDS-PAGE

### | Immunogen Information

**Sequence** Amino acid:1-37,with human FC tag.

### | Target Information

**Gene name** C5AR1

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                          |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------|
| Protein Name          | C5a anaphylatoxin chemotactic receptor 1 (C5a anaphylatoxin chemotactic receptor) (C5a-R) (C5aR) (CD antigen CD88)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |                          |
|                       | Organism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Gene ID               | UniProt ID               |
|                       | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">728</a> ; | <a href="#">P21730</a> ; |
| Cellular Localization | Cell membrane ; Multi-pass membrane protein . Cytoplasmic vesicle . Note=Phosphorylated C5aR colocalizes with ARRB1 and ARRB2 in cytoplasmic vesicles. .                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                          |
| Function              | Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a (PubMed:10636859, PubMed:15153520, PubMed:1847994, PubMed:29300009, PubMed:7622471, PubMed:8182049, PubMed:9553099). 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:7622471, PubMed:8182049, PubMed:9553099). Receptor activation stimulates chemotaxis, granule enzyme release, intracellular calcium release and superoxide anion production (PubMed:10636859, PubMed:15153520). |                       |                          |

## Validation Data

## Contact information

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**CD88 (C5aR)**  
**recombinant protein**

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