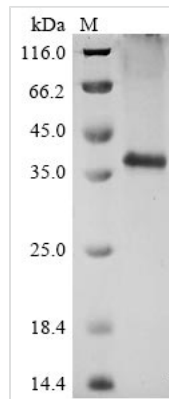




Recombinant Human C5a anaphylatoxin chemotactic receptor 1 (C5AR1)

Product Code	CSB-CF003996HUd7
Abbreviation	Recombinant Human C5AR1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P21730
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MDSFNYYTPDYGHYDDKDTLDLNTVPDKTSNTRLRVPDILALVIFAVVFLVGVLG NALVVWVTAFEAKRTINAIWFLNLAVADFLSCLALPILFTSIVQHHHWPFGGAA CSILPSLILLNMYASILLLATISADRFLLVFKPIWCQNFRGAGLAWIACAVAWGLA LLLTIPSFLYRVVREEYFPPKVLGVDYSHDKRRERAVAIIVRLVLGFLWPLLTLT ICYTFILLRTWSRRATRSTKTLKVVVAVVASFFIFWLPHYQVTGIMMSFLEPSSPT FLLKKLDSLCSFAYINCCINPIIYVAGQGFGQRLRKSLSLLRNVLTEESVV RESKSFTRSTVDTMAQKTQAV
Research Area	Immunology
Source	in vitro E.coli expression system
Target Names	C5AR1
Expression Region	1-350aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged
Mol. Weight	40.7 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

GPRC5D human recombinant protein generated in vitro E.coli expression system is a full-length polypeptide chain containing 1-350aa and having a molecular weight of about 40 kDa on SDS-PAGE. GPRC5D is expressed with a 10xHis-tag at C-terminus. Its purity is greater than 90% measured by SDS-PAGE.

GPRC5D is a 7-pass transmembrane receptor protein primarily expressed in plasma-cell phenotypic cells, including the majority of malignant plasma cells from multiple myeloma (MM) patients. It is also actively expressed in hair cells, lung tissue, and bone marrow. The high expression on MM cells makes GPRC5D become an attractive target for MM's treatment. Anti-GPRC5D CAR-T cells provide an alternative therapy in case of recurrence after anti-BCMA therapy since GPRC5D expression is independent of BCMA expression. BCMA binding contributes to MM cells' proliferation and survival.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.