

C5a anaphylatoxin chemotactic receptor 1 (C5AR1) Recombinant Protein | C5AR1 recombinant protein

Recombinant Human C5a anaphylatoxin chemotactic receptor 1 (C5AR1)-VLPs (Active)

CATALOG # AAA279255	HOST Mammalian cell
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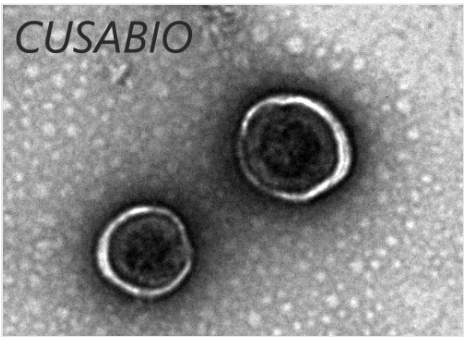
PRODUCT SYNONYMS

C5a anaphylatoxin chemotactic receptor 1 (C5AR1); Recombinant Human C5a anaphylatoxin chemotactic receptor 1 (C5AR1)-VLPs (Active); C5a anaphylatoxin chemotactic receptor; C5a-R; C5aR; CD88; C5AR1 recombinant protein

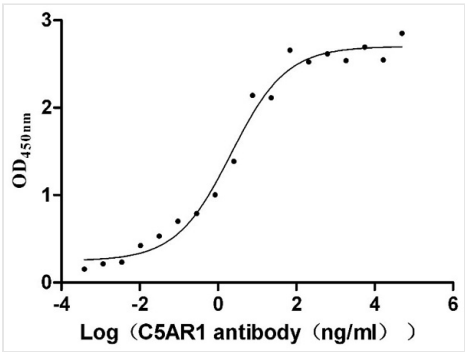
PRODUCT SPECIFICATIONS

Host	Mammalian cell
Purity/Purification	The purity information is not available for VLPs proteins.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered PBS, 6% Trehalose, pH 7.4
Sequence Positions	1-350aa; Full Length Protein
Sequence	MDSFNYTTPD YGHYDDKDTL DLNTPVDKTS NTLRVPDILA LVIFAVVFLV GVLGNALVWV VTAFEAKRTI NAIWFLNLAV ADFLSCLALP ILFTSIVQHH HWPFGGAACS ILPSLILLNM YASILLLATI SADRFLLVFK PIWCQNFRGA GLAWIACAVA WGLALLLTIP SFLYRVVREE YFPPKVLCGV DYSHDKRRER AVAIVRLVLG FLWPLLTLTI CYTFILLRTW SRRATRSTKT LKVVVAVVAS FFIFWLPHYQV TGIMMSFLEP SSPTFLLKK LDSL CVSFAY INCCINPIIY VVAGQGFGQR LRKSLPSLLR NVLTEESVVR ESKSFTRSTV DTMAQKTQAV
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged (This tag can be tested only under denaturing conditions)
Research Area	Cancer Less than 1.0 EU/ug as determined by LAL method.
Transmembrane Domain	7TM
Biological_Activity	Measured by its binding ability in a functional ELISA. Immobilized human C5AR1 at 10 ug/mL can bind Anti-C5AR1 recombinant antibody, the EC50 is 1.239-3.760 ng/mL.
Preparation and 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 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. 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. Aliquot for long-term storage at -80 degree C. Solubilize for 60 minutes at room temperature with occasional gentle mixing. Avoid vigorous shaking or vortexing. The VLPs are expressed from human 293 cells (HEK293). Mix the sample gently by repeatedly pipetting it up and down. Do not vortex. Repeated freezing and thawing is not recommended. Store the protein at -20 degree C/-80 degree C upon receiving it, and ensure to avoid repeated freezing and thawing, otherwise, it will affect the protein activity. The immunization strategy should be optimized (antigen dose, regimen and adjuvant).

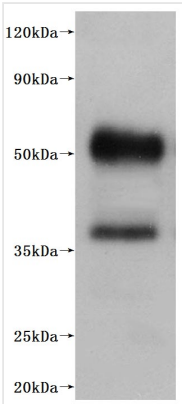
IMAGES



Application Data
The presence of VLP-like structures was confirmed by TEM



Bioactivity
Activity/Measured by its binding ability in a functional ELISA. Immobilized human C5AR1 at 10 ug/ml can bind Anti-C5AR1 recombinant antibody , the EC50 is 1.239-3.760 ng/mL.



Application Data
is detected by Mouse anti-6*His monoclonal antibody.

ADDITIONAL INFORMATION

Product Categories/Family for C5AR1 recombinant protein	MP-VLP Transmembrane Protein & Active Protein & In Stock Protein
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502509
NCBI GeneID	728
NCBI Accession #	NP_001727.1
NCBI GenBank Nucleotide #	NM_001736.3
UniProt Accession #	P21730
Molecular Weight	39,336 Da
NCBI Official Full Name	C5a anaphylatoxin chemotactic receptor
NCBI Official Synonym Full Names	complement component 5a receptor 1
NCBI Official Symbol	C5AR1
NCBI Official Synonym Symbols	C5A; C5AR; C5R1; CD88
NCBI Protein Information	C5a anaphylatoxin chemotactic receptor; C5a-R; C5a ligand; C5a anaphylatoxin receptor; complement component 5 receptor 1

UniProt Protein Name	C5a anaphylatoxin chemotactic receptor
UniProt Gene Name	C5AR1
UniProt Synonym Gene Names	C5AR; C5R1; C5a-R; C5aR
UniProt Entry Name	C5AR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/c5ar1-recombinant-protein-mammalian/279255>