

Complement C3 Recombinant Protein | CO3 recombinant protein

Recombinant mouse Complement C3

CATALOG # AAA309758	HOST E. coli
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PRODUCT SYNONYMS

Complement C3; Recombinant mouse Complement C3; HSE-MSF; CO3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E. coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Tris-based buffer 50% glycerol
Sequence	SEETKQNEAF SLTAKGKGRG TLSVVAVYHA KLKSKVTCKK FDLRVSIRPA PETAKKPEEA KNTMFLEICT KYLGDVDATM SILDISMMTG FAPDTKDLEL LASGVDRYIS KYEMNKAFSN KNTLIYLEK ISHTEEDCLT FKVHQYFNVG LIQPGSVKVY SYYNLEESCT RFYHPEKDDG MLSKLCHSEM CRCAEENCFM QQSQEIKNLN VRDKACEPG VDYVYKTELT NIELDDFDE YTMTIQQVIK SGSDEVQAGQ QRKFISHIKC RNALKLQKKG KYLmwGLSSD LWGEKPNTSY IIGKDTWVEH WPEAECCQDQ KYQKQCEELG AFTESMVVYG CPN
Immunogen Description	Expression Region: 1321-1663aa; Sequence Info: Partial
Tag Info	N-terminal 6xHis-SUMO-tagged
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°C, -80°C. The shelf life of lyophilized form is 12 months at -20°C, -80°C. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

ADDITIONAL INFORMATION

Related Product Information for CO3 recombinant protein	C3 plays a central role in the activation of the complement syst. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates. Derived from proteolytic degradation of complement C3, C3a anaphylatoxin is a mediator of local inflammatory process. In chronic inflammation, acts as a choattractant for neutrophils. It induces the contraction of smooth muscle, increases vascular permeability and causes histamine release from mast cells and basophilic leukocytes. The short isoform has B-cell stimulatory activity. C3-beta-c: Acts as a choattractant for neutrophils in chronic inflammation. Acylation stimulating protein: adipogenic hormone that stimulates triglyceride (TG) synthesis and glucose transport in adipocytes, regulating fat storage and playing a role in postprandial TG clearance. Appears to stimulate TG synthesis via activation of the PLC, MAPK and AKT signaling pathways. Ligand for C5AR2. Promotes the phosphorylation, ARRB2-mediated internalization and recycling of C5AR2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126518317
NCBI GeneID	12266
NCBI Accession #	NP_033908.2
NCBI GenBank Nucleotide #	NM_009778.3
UniProt Accession #	P01027 ; Q61370 ; Q80XP1

Molecular Weight	55.3 kDa
NCBI Official Full Name	complement C3 preproprotein
NCBI Official Synonym Full Names	complement component 3
NCBI Official Symbol	C3
NCBI Official Synonym Symbols	ASP; Plp; HSE-MSF; AI255234
NCBI Protein Information	complement C3
UniProt Protein Name	Complement C3
UniProt Gene Name	C3
UniProt Synonym Gene Names	C3bc; ASP

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/c3-recombinant-protein-e-coli/309758>