

Complement C5 (C5) Recombinant Protein | C5 recombinant protein

Recombinant Rat Complement C5 (C5)

CATALOG #
AAA113272

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Complement C5 (C5); Recombinant Rat Complement C5 (C5); C5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-77. Full length.
Sequence	DLQLLHQKVE EQAAKYKHRV PKKCCYD GAR ENKYETCEQR VARVTIGPHC IRAFNECCTI ADKIRKESHH KGMLLGR
Sequence Length	77
Species	Rat
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for C5 recombinant protein

This protein is the fifth component of complement, which plays an important role in inflammatory and cell killing processes. This protein is comprised of alpha and beta polypeptide chains that are linked by a disulfide bridge. An activation peptide, C5a, which is an anaphylatoxin that possesses potent spasmogenic and chemotactic activity, is derived from the alpha polypeptide via cleavage with a convertase. The C5b macromolecular cleavage product can form a complex with the C6 complement component, and this complex is the basis for formation of the membrane attack complex, which includes additional complement components. Mutations in this gene cause complement component 5 deficiency, a disease where patients show a propensity for severe recurrent infections. Defects in this gene have also been linked to a susceptibility to liver fibrosis and to rheumatoid arthritis.

NCBI AND UNIPROT INFORMATION

NCBI GI #	46397770
NCBI GeneID	362119
UniProt Accession #	P08650; Q63078
Molecular Weight	14.0 kDa
NCBI Official Full Name	Complement C5
NCBI Official Synonym Full Names	complement C5
NCBI Official Symbol	C5
NCBI Official Synonym Symbols	Hc; C5a; RGD1561905
NCBI Protein Information	complement C5

UniProt Protein Name	Complement C5
UniProt Gene Name	C5

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://stage.aaabiotech.com/c5-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113272>