

Complement C5a anaphylatoxin Recombinant Protein | C5 recombinant protein

Recombinant Pig Complement C5a anaphylatoxin

CATALOG #
AAA81685

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

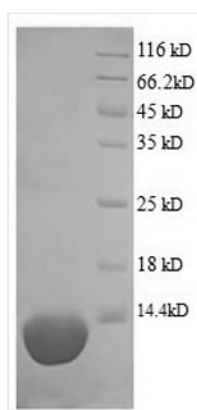
PRODUCT SYNONYMS

Complement C5a anaphylatoxin; Recombinant Pig Complement C5a anaphylatoxin; 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	1-74aa; Full Length
Sequence	MLQKKIEEEA AKYKYAMLKK CCYDGAYRND DETCEERAAR IKIGPKCVKA FKDCCYIANQ VRAEQSHKNI QLGR
Sequence Length	74
Production Note	Special Offer: The Yeast host-expressed protein is manufactured from a stock plasmid containing the protein gene. Yeast host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The Yeast host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select Yeast host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for C5 recombinant protein	Derived from proteolytic degradation of complement C5, C5 anaphylatoxin is a mediator of local inflammatory process. Binding to the receptor C5AR1 induces a variety of responses including intracellular calcium release, contraction of smooth muscle, increased vascular permeability, and histamine release from mast cells and basophilic leukocytes. C5a is also a potent chokine which stimulates the locomotion of polymorphonuclear leukocytes and directs their migration toward sites of inflammation.
References	Amino acid sequence of the anaphylatoxin from the fifth component of porcine complement.Gerard C., Hugli T.E.J. Biol. Chem. 255:4710-4715(1980) Identification of classical anaphylatoxin as the des-Arg form of the C5a molecule evidence of a modulator role for the oligosaccharide unit in human des-Arg74-C5a.Gerard C., Hugli T.E.Proc. Natl. Acad. Sci. U.S.A. 78:1833-1837(1981) Three-dimensional structure of porcine C5adesArg from 1H nuclear magnetic resonance data.Williamson M.P., Madison V.S.Biochemistry 29:2895-2905(1990)

NCBI AND UNIPROT INFORMATION

NCBI GI #	116605
UniProt Accession #	P01032
Molecular Weight	10.6 kDa
NCBI Official Full Name	Complement C5a anaphylatoxin
UniProt Protein Name	Complement C5a anaphylatoxin
UniProt Gene Name	C5
UniProt Entry Name	CO5_PIG

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/c5-recombinant-protein-e-coli/81685>