

Recombinant pig Complement C5a anaphylatoxin

Catalog No: #AP72465



Package Size: #AP72465-1 20ug #AP72465-2 100ug #AP72465-3 1mg

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Description

Product Name	Recombinant pig Complement C5a anaphylatoxin
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-74aaSequence Info:Full Length
Accession No.	P01032
Uniprot	P01032
Calculated MW	10.6 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MLQKKIEEEAAKYKYAMLKCCYDGAYRNDDETCEERAARIKIGPKCVKAFKDCCYIANQVRAEQSHKNIQLG R
Formulation	Tris-based buffer50% glycerol
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.

Background

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

Three-dimensional structure of porcine C5adesArg from 1H nuclear magnetic resonance data.Williamson M.P., Madison V.S.Biochemistry 29:2895-2905(1990)Research Topic:Others

Note: This product is for in vitro research use only