



Recombinant Pig Complement C5a anaphylatoxin (C5)

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| Product Code | CSB-YP003995PI |
| Relevance | 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. |
| Abbreviation | Recombinant Pig Complement C5a anaphylatoxin protein |
| 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. |
| Uniprot No. | P01032 |
| Product Type | Recombinant Protein |
| Immunogen Species | Sus scrofa (Pig) |
| Purity | ≥ 90% as determined by SDS-PAGE. |
| Sequence | MLQKKIEEEAAKYKYAMLKKCCYDGAYRNDDTCEERAARIKIGPKCVKAFKD CCYIANQVRAEQSHKNIQLGR |
| Research Area | Others |
| Source | Yeast |
| Target Names | C5 |
| Protein Names | Recommended name: Complement C5a anaphylatoxin |
| Expression Region | 1-74aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | N-terminal 6xHis-tagged |
| Mol. Weight | 10.6kDa |
| Protein Length | Full Length |
| Image | |

