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## Product Datasheet

### Recombinant Mouse C3a EBT-EPT296

Article Name	Recombinant Mouse C3a
Biozol Catalog Number	EBT-EPT296
Supplier Catalog Number	EPT296
Alternative Catalog Number	EBT-EPT296-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Mouse Complement Component C3a is produced by our E.coli expression system and the target gene encoding Ser671-Arg748 is expressed....
Molecular Weight	Molecular weight: 9.2 KDa. Apparent molecular weight: 9 KDa, reducing conditions
UniProt	<a href="#">P01027</a>
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/ $\mu$ g (1 EU/ $\mu$ g) as determined by LAL test. Background: Complement is defined as key part of innate immunity and as the first line of defense in the fight against invading pathogens. Complement 3 (C3) is the most abundant component of the complement cascade and the convergent point for all three major complement activation pathways: namely classical, alternative and mannose-binding lectin pathways. Complement activation leads to the formation of the C3 convertase, which cleaves C3 into the key effector molecules, C3a (anaphylatoxin) and C3b (opsonin) which then drive microbe removal. By binding to C3a receptor (C3aR), C3a exhibits potent anaphylatoxin activity, including increased vascular permeability, triggering degranulation of mast cells, inflammation, and activating leukocytes