

Recombinant Mouse Complement C1q subcomponent subunit A(C1qa),partial

Catalog No: #AP70096

Package Size: #AP70096-1 20ug #AP70096-2 100ug #AP70096-3 1mg

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Description

Product Name	Recombinant Mouse Complement C1q subcomponent subunit A(C1qa),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:23-245aaSequence Info:Full Length of Mature Protein
Accession No.	P98086
Calculated MW	39.6 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	EDVCRAPNGKDGAPGNPGRPGRLKGERGEPGAAGIRTGIRGFKGDPGESGPPGKPGNVGLPGPSGPLG DSGPQGLKGKGNPGRNIRDQPRPAFSAIRQNPMTLGNVVFIDKVLTNQESPYQNHTGRFICAVPGFYFNFQ VISKWDLCLFIKSSSGGQPRDSLFSNTNNKGLFQVLGGTVLQLRRGDEVWIEKDKPAKGRIYQGTEADSIFS GFLIFPSA
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

C1q associates with the proenzymes C1r and C1s to yield C1, the first component of the serum complement system. The collagen-like regions of C1q interact with the Ca²⁺-dependent C1r2C1s2 proenzyme complex, and efficient activation of C1 takes place on interaction of the globular heads of C1q with the Fc regions of IgG or IgM antibody present in immune complexes.

References

Lineage-specific biology revealed by a finished genome assembly of the mouse.Church D.M., Goodstadt L., Hillier L.W., Zody M.C., Goldstein S., She X., Bult C.J., Agarwala R., Cherry J.L., DiCuccio M., Hlavina W., Kapustin Y., Meric P., Maglott D., Birtle Z., Marques A.C., Graves T., Zhou S. , Teague B., Potamousis K., Churas C., Place M., Herschleb J., Runnheim R., Forrest D., Amos-Landgraf J., Schwartz D.C., Cheng Z., Lindblad-Toh K., Eichler E.E., Ponting C.P.PLoS Biol. 7:E1000112-E1000112(2009)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.