

Recombinant Mouse C1s1 Protein, His-tagged

Cat. No. C1s1-944M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse C1sa (AAH18319.1) (Met1-Asp688) was expressed with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-688 a.a.
Predicted N Terminal	Glu 16
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant mouse C1sa consists 684 amino acids and predicts a molecular mass of 76.6 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>85 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	C1s1 complement component 1, s subcomponent 1 [<i>Mus musculus</i>]
Official Symbol	C1s1
Synonyms	C1s; C1sa; AA959438; AI255193; AI327365; C1 esterase; complement component 1 subcomponent s-A; complement component C1SA; serine protease
Gene ID	50908
mRNA Refseq	NM_001097617
Protein Refseq	NP_001091086
MIM	
UniProt ID	Q8CG14
Chromosome Location	6; 6 F2
Pathway	Classical antibody-mediated complement activation, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Creation of C4 and C2 activators, organism-specific biosystem
Function	calcium ion binding; hydrolase activity; metal ion binding

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