

Recombinant Mouse C2, His-tagged

Cat. No. C2-480M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the mouse C2 (NP_038512.2) (Met1-Leu760) was expressed with a C-terminal polyhistidine tag.
Species	Mouse
Source	Human Cells
ProteinLength	Met1-Leu760
Form	Lyophilized from sterile PBS, pH7.4.
Molecular Mass	The recombinant mouse C2 comprises 752 amino acids and has a predicted molecular mass of 84.2 kDa. The apparent molecular mass of the protein is approximately 91.2 kDa in SDS-PAGE under reducing conditions.
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 -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.

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GENE INFORMATION

Gene Name	C2 complement component 2 (within H-2S) [<i>Mus musculus</i>]
Official Symbol	C2
Synonyms	C2; complement component 2 (within H-2S); complement C2; C3/C5 convertase; complement factor C2; MHC complement component C2; classical-complement pathway C3/C5 convertase;
Gene ID	12263
mRNA Refseq	NM_013484
Protein Refseq	NP_038512
Pathway	Activation of C3 and C5, organism-specific biosystem; Complement Activation, Classical Pathway, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Immune System, organism-specific biosystem;
Function	catalytic activity; hydrolase activity; peptidase activity; serine-type endopeptidase activity; serine-type peptidase activity;

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