

## Recombinant Mouse C2, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	A DNA sequence encoding the mouse C2 (NP_038512.2) (Met1-Leu760) was expressed with a C-terminal polyhistidine tag.
<b>Species</b>	Mouse
<b>Source</b>	Human Cells
<b>ProteinLength</b>	Met1-Leu760
<b>Form</b>	Lyophilized from sterile PBS, pH7.4.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 eu per µg of the protein as determined by the LAL method.
<b>Purity</b>	>85 % as determined by SDS-PAGE
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C
<b>Storage</b>	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	Hardcopy of COA with reconstitution instruction is sent along with the products.

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## GENE INFORMATION

<b>Gene Name</b>	C2 complement component 2 (within H-2S) [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	C2
<b>Synonyms</b>	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;
<b>Gene ID</b>	12263
<b>mRNA Refseq</b>	NM_013484
<b>Protein Refseq</b>	NP_038512
<b>Pathway</b>	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;
<b>Function</b>	catalytic activity; hydrolase activity; peptidase activity; serine-type endopeptidase activity; serine-type peptidase activity;

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