

Active Recombinant Mouse C2 Protein, His-tagged

Cat. No. C2-1012M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse C2 (Accession # O70350) Met1-Leu760, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
ProteinLength	Met1-Leu760
Predicted N Terminal	Leu20 & Lys251
Form	Supplied as a 0.2 µ filtered solution in Sodium Acetate and NaCl.
Bio-activity	Measured by its ability to cleave a colorimetric peptide substrate, N-carbobenzyloxy-Gly-Arg-ThioBenzyl ester (Z-GR-SBzl), in the presence of 5,5"-Dithio-bis (2-nitrobenzoic acid) (DTNB). Edwards, K.M. et al. (1999) J. Biol. Chem. 274:30468. The specific activity is >200 pmol/min/µg, as measured under the described conditions.
Molecular Mass	Recombinant Mouse C2, His-tagged has a calculated MW of 58 kDa and 84 kDa. In SDS-PAGE migrates as 66-75 kDa & 90-110 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

Reconstitution

Reconstitute at 50 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name

C2 complement component 2 (within H-2S) [*Mus musculus*]

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

MIM

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