



# Recombinant Mouse Neutrophil cytosol factor 2 (Ncf2)

<b>Product Code</b>	CSB-EP015528MO-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O70145
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MSLAEAIRLW NEGVLAADKK DWKGALEAFS EVQDPHSRIC FNIGCVNTIL ENLQAAEQAF TKSINRDKHS AVAYFQRGML YRMEKYDLA IKDLKEALTQ LRGNQLIDYK ILGLQFKLFA CEVLYNIALM HAKKEEWKKA EEQLALATNM KSEPRHSKID KAMESIWKQK LFEPVVIPVG RLFPRNERQV AQLAKKDYLG KATVVASVVH QDNFSGFAPL QPQSAEPPPR PKTPEIFRAL EGEAHRVLFG FVPETPEELQ VM PGNIVFVL KKGSDNWATV MFNGQKGLVP CNYLEPVELR IHPQSQPQED TSPESDIPPP PNSSPPGRLQ LSPGHKQKEP KELKLSVPMP YMLKVHYKYT VVMETRLGLP YSQLRNMVSK KLALSPEHTK LS YRRRDSHE LLLLSEESMK DAWGQVKNYC LTLWCEHTVG DQGLIDEPIQ RENSDASKQT TEPQPKEGTQ VVAIFS YEAA QPEDLEFVEG DVILVLSHVN EEWLEGECKG KVGIFPKAFV EGCAAKNLEG IPREV
<b>Source</b>	E.coli
<b>Target Names</b>	Ncf2
<b>Protein Names</b>	Recommended name: Neutrophil cytosol factor 2 Short name= NCF-2 Alternative name(s): 67 kDa neutrophil oxidase factor NADPH oxidase activator 2 Neutrophil NADPH oxidase factor 2 p67-phox
<b>Expression Region</b>	1-525
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This gene encodes neutrophil cytosolic factor 2, the 67-kilodalton cytosolic subunit of the multi-protein NADPH oxidase complex found in neutrophils. This oxidase produces a burst of superoxide which is delivered to the lumen of the neutrophil phagosome. Mutations in this gene, as well as in other NADPH oxidase subunits, can result in chronic granulomatous disease, a disease that causes recurrent infections by catalase-positive organisms. Alternative splicing results in two transcript variants that encode the same protein.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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.