Recombinant Rat Neutrophil cytosol factor 2 (Ncf2)

Product Code	CSB-BP015528RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	A7E3N2
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MSLAEAIRLW NEGVQAADKK DWKGALEAFS EVQDPHSRIC FNIGCMYTIL DNLQEAEQAF TKSINRDKHL AVAYFQRGML YYSMEKYRPA SVGRKAALLF LGSYNLVARI IVGYPLSPGK VLYNIALMHA KKEEWKKAEE QLALATNMKS EPRHSKIDKA MESIWKRCPT SHLPLDPPQV TMALWFEEGG VGKRSVVASV VHQDNFSGFA PLQPQSAEPP PRPKTPEIFR ALEGEAHRVL FGFVPETPEE LQVMPGNIVF VLKKGSDNWA TVMFNGQKGL VPCNYLEPVE LRIHPQSQPQ EDTSLESDIP PPPNSSPPER LQLSPGWCQQ LGPLRCPPFL LHQEVKRSVP MPYMLKVHYK YTVVMETQLG LPYSQLRNMV SKKLELLPEH TKLSYQRRDS PELLLLSEES MKDAWAQVKN YCLTLWCEHT VGDQGFVDEP KEKENSDADN RTTEPQPKEG TQVVAIFSYD ATQPEDLEFV EGDVILVLSH VNEEWLEGEC KGKIGIFPKA FVEGCAAKNL EGTPREV
Source	Baculovirus
Target Names	Ncf2
Protein Names	Recommended name: Neutrophil cytosol factor 2 Short name= NCF-2 Alternative name(s): Neutrophil NADPH oxidase factor 2
Expression Region	1-527
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	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.
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.