



Recombinant Rat Nucleoporin p58/p45 (Nup11)

Product Code	CSB-YP016210RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P70581
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MATGFSFGSG TLGSTTVAPG GTGTGSGFSF GASSTPSVGL NFGTLGSSAT PASTSTSASG FGTGLFGSKP GTGFTLGGTS AGTTATTSAS TTGFSLGFSK PAASATPFAL PVTSTTASGL TLSSALTSAP AASTGFTLNN LGATPATTTA ASTGLSLGGA LAGLGGSLFQ SGNTATSGLG QNALSLSLGT ATPTSAASSE GLGGIDFSTS SDKKSDKTGT RPEDSKALKD ENLPPVICQD VENLQKFVKE KQKVQEEISR MSSKAMLKVQ EDIKALKQLL SLAASGLQRN TLNIDKLE TAQELKNAEI ALRTQKTPPG LQHENTAPAD YFRVLVQQFE VQLQQYRQQI EELNHLATQ ANNSHITPQD LSMAMQKIYQ TFVALAAQLQ SIHENVKVLK EQYLSYRKMFLGDAGDVFEARRTEAKKWQNAPRVTTGPTP FSTMPNAAAV AMAATLTQQQ QPATGPQPSL GVSFGTPFGS GIGTGLQSSG LGSSNLGGFG TSSGFGCGTT GASTFGFGTT DKPSGSLSAG FGSSTSGFN FSNPGITASA GLTFGVSNPA SAGFGTGGQL LQLKRPPAGN KRGKR
Source	Yeast
Target Names	Nup58
Protein Names	Recommended name: Nucleoporin p58/p45 Alternative name(s): Nucleoporin-like protein 1
Expression Region	1-585
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 a member of the nucleoporin family that shares 87% sequence identity with rat nucleoporin p58. The protein is localized to the nuclear rim and is a component of the nuclear pore complex (NPC). All molecules entering or leaving the nucleus either diffuse through or are actively transported by the NPC. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
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.