



# Recombinant Rat Nucleoporin p58/p45 (Nup11)

<b>Product Code</b>	CSB-MP016210RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P70581
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MATGFSFGSG TLGSTTVAPG GTGTGSGFSF GASSTPSVGL NFGTLGSSAT PASTSTSASG FGTGLFGSKP GTGFTLGGTS AGTTATTSAS TTGFSLGFSK PAASATPFAL PVTSTTASGL TLSSALTSAP AASTGFTLNN LGATPATTTA ASTGLSLGGA LAGLGGSLFQ SGNTATSGLG QNALSLSLGT ATPTSAAASSE GLGGIDFSTS SDKKSDKTGT RPEDSKALKD ENLPPVICQD VENLQKFVKE KQQVQEEISR MSSKAMLKVQ EDIKALKQLL SLAASGLQRN TLNIDKLE TAQELKNAEI ALRTQKTPPG LQHENTAPAD YFRVLVQQFE VQLQQYRQQI EELNHLATQ ANNSHITPQD LSMAMQKIYQ TFVALAAQLQ SIHENVKVLK EQYLSYRKMFLGDAGDVFEARRTEAKKWQN APRVTTGPTP FSTMPNAAAV AMAATLTQQQ QPATGPQPSL GVSFGTFFGS GIGTGLQSSG LGSSNLGGFG TSSGFGCGTT GASTFGFGTT DKPSGSLSAG FGSSTSGFN FSNPGITASA GLTFGVSNPA SAGFGTGGQL LQLKRPPAGN KRGKR
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Nup58
<b>Protein Names</b>	Recommended name: Nucleoporin p58/p45 Alternative name(s): Nucleoporin-like protein 1
<b>Expression Region</b>	1-585
<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 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.
<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.
<b>Shelf Life</b>	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.