



# Recombinant Rat Nuclear pore complex protein Nup54 (Nup54)

<b>Product Code</b>	CSB-YP016203RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P70582
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MAFNFGAPSG TSGTSTATAA PAGGFGGFGT TTTTAGSAFS FSAPTNTGST GLLGGTQNKG FGFGTGFGTS TGTGTGLGTG LGTGLGFGGF NTQQQQQQQQ TSLGGLFSQP AQAPAQSNQL INTASALSAP TLLGDERDAI LAKWNQLQAF WGTGKGYFNN NIPPVEFTQE NPFCRFKAVG YSCMPNNKDE DGLVVLIFNK KETDIRSQQQ QLVESLHKVL GGNQTLTVNV EGIKTLPDDQ TEVVIYIVER SPNGTSRRVP ATTLIAHFEQ ANIKTQLQQL GVTLISMTRTE LSPAQIKQLL QNPPAGVDPI IWEQAKVDNP DSEKLIPVPM VGFKELLRRL KVQDQMTKQH QTRLDIISED ISELQKNQTT TMAKIAQYKR KLMDLSHRTL QVLIKQEIQR KSGYAIQAE EQLRVQLDTI QGELNAPTQF KGRLNELMSQ IRMQNHFGAV KSEEKYYIDA DLLREIKQHL KQQQEGLSHL ISIIKDDLED IKLVEHGLNE TIHSRGGVFS
<b>Source</b>	Yeast
<b>Target Names</b>	Nup54
<b>Protein Names</b>	Recommended name: Nuclear pore complex protein Nup54 Alternative name(s): 54 kDa nucleoporin Nucleoporin Nup54
<b>Expression Region</b>	1-510
<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>	The nuclear envelope creates distinct nuclear and cytoplasmic compartments in eukaryotic cells. It consists of two concentric membranes perforated by nuclear pores, large protein complexes that form aqueous channels to regulate the flow of macromolecules between the nucleus and the cytoplasm. These complexes are composed of at least 100 different polypeptide subunits, many of which belong to the nucleoporin family. This gene encodes a member of the phe-gly (FG) repeat-containing nucleoporin subset.
<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.

### 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.