



# Recombinant Rat Nucleoporin NUP53 (Nup35)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-BP737895RA                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Abbreviation</b>      | Nup35                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.                                                                                                                          |
| <b>Uniprot No.</b>       | Q68FY1                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Sequence</b>          | MAFAVDPQA PTLGSEPMML GSPTSPKPGA NAQFLPGFLM GDLPAVTPQ<br>PRISGPSVG VMEMRSPLLA GGSPQPVPV AHKDKSGAPP VRSIYDDISS<br>PGLGSTPLPS RRQANISVLQ SPLVGVTPV TGQSMFSPAN IGQPRKTTLS<br>PAQLDPFYTQ GDSLTSEDHL DDTWVTVFGF PQASASYILL QFAQYGNILK<br>HVMSNTGNWM HIRYQSKLQA RKALSKDGRI FGESIMIGVK PCIDKNVMEN<br>SDRGVLSSPS LAFTPPIRTL GTPTQPGSTP RVSTMRPLAT AYKASTSDYQ<br>VISDRQTPKK DESLVSRAE YMFGW                           |
| <b>Source</b>            | Baculovirus                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Target Names</b>      | Nup35                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Names</b>     | Recommended name: Nucleoporin NUP53 Alternative name(s): 35 kDa nucleoporin Nuclear pore complex protein Nup53 Nucleoporin Nup35                                                                                                                                                                                                                                                                            |
| <b>Expression Region</b> | 1-325                                                                                                                                                                                                                                                                                                                                                                                                       |
| <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. The protein is localized to the nuclear rim and is part of the nuclear pore complex (NPC). All molecules entering or leaving the nucleus either diffuse through or are actively transported by the NPC.                                                                                                                                               |
| <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.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life                                                                                                                                                                           |



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