

## Product datasheet for **TP308891M**

### Nup53 (NUP35) (NM\_138285) Human Recombinant Protein

#### Product data:

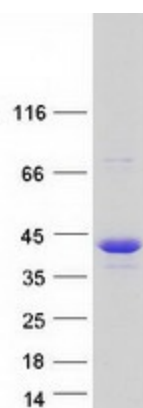
|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:                         | Recombinant Proteins                                                                                                                                                                                                                                                                                                                                                                                                       |
| Description:                          | Recombinant protein of human nucleoporin 35kDa (NUP35), 100 µg                                                                                                                                                                                                                                                                                                                                                             |
| Species:                              | Human                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Expression Host:                      | HEK293T                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Expression cDNA Clone or AA Sequence: | >RC208891 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)                                                                                                                                                                                                                                                                                                                                               |
|                                       | <p>MAAFAVEPQGPALGSEPMMLGSPTSPKPGVNAQFLPGFLMGDLPAPVTPQPRISGPSVGVMMEMRSPLLA</p> <p>GGSPQPVPVPAHKDKSGAPPVRSIYDDISSPLGSTPLTSRRQPNISVMQSPLVGVSTSTPGTGQSMFSPA</p> <p>SIGQPRKTTLSPAQLDPFYTQGDLSLSEDLHDDSWVTVFGFPQASASYILLQFAQYGNILKHVMSNTGNW</p> <p>MHIRYQSKLQARKALSKDGRIFGESIMIGVKPCIDKSVMESDRCALSSPSLAFTPPIKTLGTPTQPGST</p> <p>PRISTMRPLATAYKASTSDYQVISDRQTPKKDESLVSKAMEYMFGW</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p> |
| Tag:                                  | C-Myc/DDK                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Predicted MW:                         | 34.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                         |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol                                                                                                                                                                                                                                                                                                                                                                       |
| Preparation:                          | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                                                                                                                                                                                                                                                                                           |
| Note:                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.                                                                                                                                                                                                                                                                       |
| Storage:                              | Store at -80°C.                                                                                                                                                                                                                                                                                                                                                                                                            |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                              |
| RefSeq:                               | <u><a href="#">NP_612142</a></u>                                                                                                                                                                                                                                                                                                                                                                                           |
| Locus ID:                             | 129401                                                                                                                                                                                                                                                                                                                                                                                                                     |



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|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt ID:   | <u>Q8NFH5</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RefSeq Size:  | 1637                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Cytogenetics: | 2q32.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| RefSeq ORF:   | 978                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Synonyms:     | MP-44; MP44; NP44; NUP53                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Summary:      | This gene encodes a member of the nucleoporin family. The encoded protein contains two membrane binding regions, is localized to the nuclear rim, and is part of the nuclear pore complex. All molecules entering or leaving the nucleus either diffuse through or are actively transported by the nuclear pore complex. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene have been defined on chromosomes 7 and 10. [provided by RefSeq, Dec 2013] |

### Product images:



Coomassie blue staining of purified NUP35 protein (Cat# [TP308891]). The protein was produced from HEK293T cells transfected with NUP35 cDNA clone (Cat# [RC208891]) using MegaTran 2.0 (Cat# [TT210002]).