Nucleoporin NUP53 (NUP35) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nucleoporin NUP53 (NUP35), Recombinant Protein
Full Product Name	Recombinant Human Nucleoporin NUP53 (NUP35)
Product Gene Name	NUP35 recombinant protein
Product Synonym Gene Name	NUP35
Sequence	MAAFAVEPQG PALGSEPMML GSPTSPKPGV NAQFLPGFLM GDLPAPVTPQ PRSISGPSVG VMEMRSPLLA GGSPPQPVVP AHKDKSGAPP VRSIYDDISS PGLGSTPLTS RRQPNISVMQ SPLVGVTSTP GTGQSMFSPA SIGQPRKTTL SPAQLDPFYT QGDSLTSEDH LDDSWVTVFG FPQASASYIL LQFAQYGNIL KHVMSNTGNW MHIRYQSKLQ ARKALSKDGR IFGESIMIGV KPCIDKSVME SSDRCALSSP SLAFTPPIKT LGTPTQPGST PRISTMRPLA TAYKASTSDY QVISDRQTPK KDESLVSKAM EYMFGW
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	21,142 Da
Sequence Positions	1-326aa; Full Length
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	608140
3D Structure	ModBase 3D Structure for Q8NFH5
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NUP35 recombinant protein	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.
Other Notes	Small volumes of NUP35 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NUP35 purchase	MBS1328940 is a recombinant protein targeting NUP35. Also known as Recombinant Human Nucleoporin NUP53 (NUP35). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NUP35. It may not necessarily be applicable to this product.

NCBI GI #	567316258
NCBI GeneID	129401

NCBI Accession #	NP_001274513.1
UniProt Primary Accession #	Q8NFH5
UniProt Secondary Accession #	Q4ZFZ9; Q53S95; Q8TDJ1; B4DP57; B4DYB4
UniProt Related Accession #	Q8NFH5
GenBank Nucleotide #	NM_001287584.1
NCBI Official Full Name	nucleoporin NUP53 isoform b
NCBI Official Synonym Full Names	nucleoporin 35
NCBI Official Symbol	NUP35
NCBI Official Synonym Symbols	MP44; NP44; MP-44; NUP53
UniProt Protein Name	Nucleoporin NUP53
UniProt Synonym Protein Names	35 kDa nucleoporin; Mitotic phosphoprotein 44; MP-44; Nuclear pore complex protein Nup53; Nucleoporin Nup35
Protein Family	Nuclear pore complex protein
UniProt Gene Name	NUP35
UniProt Synonym Gene Names	MP44; NUP53; MP-44
NCBI Protein Information	nucleoporin NUP53
NCBI Summary for NUP35	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]
UniProt Comments for NUP35	Functions as a component of the nuclear pore complex (NPC). NPC components, collectively referred to as nucleoporins (NUPs). Can play the role of both NPC structural components and of docking or interaction partners for transiently associated nuclear transport factors. May play a role in the association of MAD1 with the NPC.
Research Articles on NUP35	**1.** Observational study of gene-disease association. (HuGE Navigator)
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