

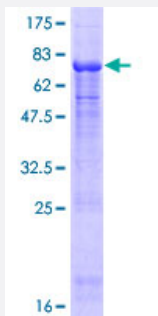
Full-Length

NUP43 (Human) Recombinant Protein (P01)

Catalog # H00348995-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NUP43 full-length ORF (NP_942590.1, 1 a.a. - 380 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEEIYAKFVSQKISKTRWRPLPPGSLQTAETFATGSWDNEENYISLWSIGDFGNLSDGGFEGDH
QLLCDIRHHGDMDLQFFDQERIVAASSTGCVTVFLHHPNNQTLNVNQWTTAHYHTGPGSPSYS
SAPCTGVVCNNPEIVTGEDGRINLFRADHKEAVRTIDNADSSTLHAVTFLRTPEILTVNSIGQLKW
DFRQQGNEPSQILSLTGDRVPLHCVDHRPNQQHV VVATGGQDGMLSWDVVRQGTMPVSLLKAHE
AEMWEVHFHPSNPEHLFTCEDGSLWHWDASTDVPEKSSLFHQGGRSSTFLSHSISNQANVHQ
SVISSWLSTDPADKRIEITSLPSRSLSVNTLDVLGPCLVCGTDAEAMVTRHLFS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

68.6

Interspecies Antigen Sequence

Mouse (94); Rat (86)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NUP43

Entrez GeneID[348995](#)**GeneBank Accession#**[NM_198887.1](#)**Protein Accession#**[NP_942590.1](#)**Gene Name**

NUP43

Gene Alias

FLJ13287, bA350J20.1, p42

Gene Description

nucleoporin 43kDa

Omim ID[608141](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Bidirectional transport of macromolecules between the cytoplasm and nucleus occurs through nuclear pore complexes (NPCs) embedded in the nuclear envelope. NPCs are composed of subcomplexes, and NUP43 is part of one such subcomplex, Nup107-160 (Loiodice et al., 2004 [PubMed 15146057]).[supplied by OMIM]

Other Designations

nucleoporin Nup43