

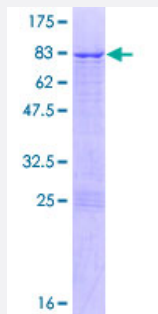
Full-Length

NUP54 (Human) Recombinant Protein (P01)

Catalog # H00053371-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NUP54 full-length ORF (NP_059122.2, 1 a.a. - 507 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAFNFGAPSGTSGTAAATAAPAGGFGGFGTTSTTAGSAFSFSAPTNTGTTGLFGGTQNKGFSGF
TGFGTTTGTSTGLGTGLGTGLGFGGFGNTQQQQQTTLGGFLFSQPTQAPTQSNQLINTASALSAPTLL
GDERDAILAKWNQLQAFWGTGKGYFNNNIPPVEFTQENPFCRFKAVGYSCMPSPNKDEDGLVVLV
FNKKETEIRSQQQQLVESLHKVLGGNQTLTVNVEGKTLPPDDQTEVVVVVERSPNGTSRRVPATT
LYAHFEQANIKTQLQQLGVTLSTMTRTELSPAQIKQLLQNPPAGVDPIWEQAKVDNPDSEKLIPVPM
VGFKELLRRLKVQDQMTKQHQTRLDIISEDISELQKNQTTSVAKIAQYKRKLMDLSHRTLQVLIKQEI
QRKSGYAIQADEEQLRVQLDTIQGELNAPTQFKGRLNELMSQIRMQNHFGAVRSEERYIDADLLR
EIKQHLKQQQEGLSHLISIKDDLEDIKLVEHGLNETHIRGGVFS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

81.8

Interspecies Antigen Sequence

Mouse (95); Rat (95)

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 — NUP54

Entrez GeneID	53371
GeneBank Accession#	NM_017426.2
Protein Accession#	NP_059122.2
Gene Name	NUP54
Gene Alias	MGC13407
Gene Description	nucleoporin 54kDa
Omim ID	607607
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	nucleoporin p54