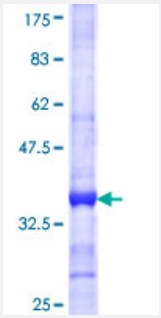
# NUP133 (Human) Recombinant Protein (Q01)

Catalog # H00055746-Q01 Size 25 ug, 10 ug

## Applications




## Specification

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|---|---|
| **Product Description** | Human NUP133 partial ORF ( NP_060700, 1069 a.a. - 1155 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Sequence** | LKLEILCKALQRDNWSSSDGKDDPIEVSKDSIFVKILQKLLKDGIQLSEYLPEVKDLLQADQLGSLK SNPYFEFVLKANYEYYVQGQ |
| **Host** | Wheat Germ (in vitro) |
| **Theoretical MW (kDa)** | 35.31 |
| **Interspecies Antigen Sequence** | Mouse (89) |
| **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 — NUP133

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|---|---|
| **Entrez GeneID** | 55746 |
| **GeneBank Accession#** | NM_018230 |
| **Protein Accession#** | NP_060700 |
| **Gene Name** | NUP133 |
| **Gene Alias** | FLJ10814, MGC21133, hNUP133 |
| **Gene Description** | nucleoporin 133kDa |
| **Omim ID** | 607613 |
| **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 f orm aqueous channels to regulate the flow of macromolecules between the nucleus and the cytopl asm. These complexes are composed of at least 100 different polypeptide subunits, many of whic h belong to the nucleoporin family. The nucleoporin protein encoded by this gene displays evolutio narily conserved interactions with other nucleoporins. This protein, which localizes to both sides of the nuclear pore complex at interphase, remains associated with the complex during mitosis and i s targeted at early stages to the reforming nuclear envelope. This protein also localizes to kinetoc hores of mitotic cells. [provided by RefSeq |
| **Other Designations** | OTTHUMP00000037467\|OTTHUMP00000061095 |

## Disease

- Cardiovascular Diseases

- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Edema
- HIV Infections