

Recombinant Human NUP85 protein, His & T7-tagged

Cat. No. NUP85-1514H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human NUP85 aa. (Arg130~Leu368 (Accession # Q9BW27)) fused with N-terminal His & T7 tag was produced in E. coli cells. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Arg130~Leu368 |
| Description | This gene encodes a protein component of the Nup107-160 subunit of the nuclear pore complex. Nuclear pore complexes are embedded in the nuclear envelope and promote bidirectional transport of macromolecules between the cytoplasm and nucleus. The encoded protein can also bind to the C-terminus of chemokine (C-C motif) receptor 2 (CCR2) and promote chemotaxis of monocytes, thereby participating in the inflammatory response. Alternative splicing results in multiple transcript variants. |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 30.9kDa. |
| Endotoxin | <1.0EU per 1g (determined by the LAL method). |
| Purity | >95% |

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|-----------------------|---|
| Characteristic | The isoelectric point is 5.3. |
| Applications | SDS-PAGE; WB; ELISA; IP. |
| Stability | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Storage | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| Storage buffer | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl. |
| Reconstitution | Reconstitute in sterile PBS, pH7.2-pH7.4. |

GENE INFORMATION

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|------------------------|--|
| Gene Name | NUP85 nucleoporin 85 [Homo sapiens (human)] |
| Official Symbol | NUP85 |
| Synonyms | Nup75; FROUNT; nucleoporin 85kDa; nucleoporin Nup75; nucleoporin Nup85; nuclear pore complex protein Nup85 |
| Gene ID | 79902 |
| mRNA Refseq | NM_001303276.1 |
| Protein Refseq | NP_001290205.1 |

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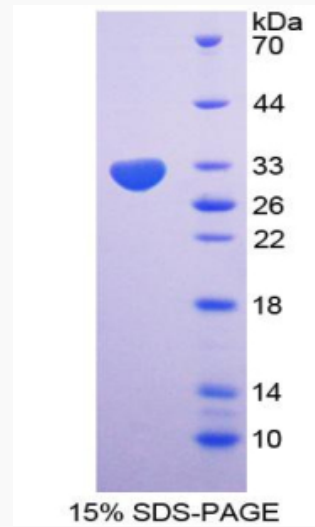
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UniProt ID

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SDS-PAGE



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