

Nucleoporin Recombinant Protein | NUP214 recombinant protein

Recombinant Nucleoporin 214kDa (NUP214)

CATALOG # AAA144411	HOST E.coli	REACTIVITY Mus musculus (Mouse)	APPLICATIONS Western Blot, SDS-Page
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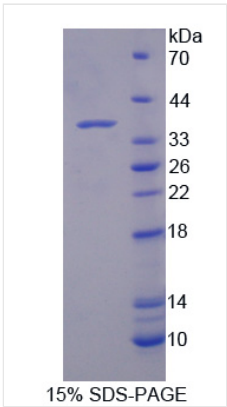
PRODUCT SYNONYMS

Nucleoporin; Recombinant Nucleoporin 214kDa (NUP214); NUP214 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 97%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 300ug/mL (varies by lot)
Sequence	SVLPFSSSPK PTASGPLSHP TLPASSSSM PLKSSVSPSP AAGRSTQTAP SSAPSTGQKS PRVNPPVPKS GSSQAKALQP PVTEKQRPQW KSDPVLGI GEEIAHFQKE LEELKARTAK ACLQVGTSEE MKMLRTESDD LHTFLFEIRE TTESLHGDIS TLKTTLLEGF AGVEEAREQH GRNHDSGYLH LLYKRPLDPK SEAQLQEIRR LHQYVKFAVQ DVNDVLDLEW DRHLEQKKRQ RRLIVPERET LFNTLANNRE IINQQRKR
Applicable Applications for NUP214 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Ser601~Arg868
Tags	N-terminal His Tag
Subcellular Location	Nucleus
Traits	Freeze-dried powder
Predicted isoelectric point	8.9
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: 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.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	686623273
NCBI GeneID	20378648
NCBI Accession #	XP_009306646.1
NCBI GenBank Nucleotide #	XM_009308371.1
Molecular Weight	Predicted Molecular Mass: 33.6KDa Accurate Molecular Mass: 37kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	nucleoporin
NCBI Official Symbol	DQ04_00181120
NCBI Protein Information	nucleoporin

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/nucleoporin-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/144411>