

Recombinant Human NUP188 protein, His & GST-tagged

Cat. No. NUP188-5780H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NUP188 aa. (Thr540~Gly782 (Accession # Q5SRE5)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr540~Gly782
Description	The nuclear pore complex (NPC) is found on the nuclear envelope and forms a gateway that regulates the flow of proteins and RNAs between the cytoplasm and nucleoplasm. The NPC is comprised of approximately 30 distinct proteins collectively known as nucleoporins. Nucleoporins are pore-complex-specific glycoproteins which often have cytoplasmically oriented O-linked N-acetylglucosamine residues and numerous repeats of the pentapeptide sequence XFXFG. However, the nucleoporin protein encoded by this gene does not contain the typical FG repeat sequences found in most vertebrate nucleoporins. This nucleoporin is thought to form part of the scaffold for the central channel of the nuclear pore.
Form	Freeze-dried powder
Molecular Mass	55kDa as determined by SDS-PAGE reducing conditions
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 6.4.
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

Gene Name	NUP188 nucleoporin 188 [Homo sapiens (human)]
Official Symbol	NUP188
Synonyms	hNup188; KIAA0169; nucleoporin 188kDa; nucleoporin NUP188 homolog
Gene ID	23511
mRNA Refseq	NM_015354.2
Protein Refseq	NP_056169.1

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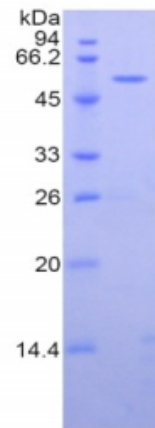
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UniProt ID

Q5SRE5

SDS-PAGE

Human NUP188

15% SDS-PAGE

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