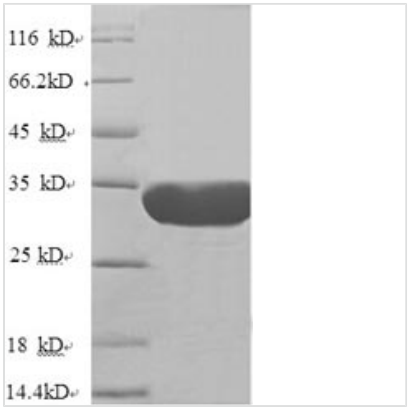
Recombinant Human Nuclear pore membrane glycoprotein 210 (NUP210), partial

Product Code	CSB-EP016195HU(C)
Relevance	Nucleoporin essential for nuclear pore assbly and fusion, nuclear pore spacing, as well as structural integrity.
Abbreviation	Recombinant Human NUP210 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8TEM1
Alias	Nuclear envelope pore membrane protein POM 210 ;POM210Nucleoporin Nup210Pore membrane protein of 210 kDa
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	AVGSVTVYYEVAGHLRTYKEVVVSVPQRIMARHLHPIQTSFQEATASKVIVAVG DRSSNLRGECTPTQREVIQALHPETLISCQSQFKPAVFDFPSQDVFTVEPQFD TALGQYFCSITMHRLTDKQRKHLSMKKTALVVSASLSSSHFSTEQVGAEVPFS PGLFADQAEILLSNHYTSSEIRVFGAPEVLENLEVKSGSPAVLAFAKEKSFGWP SFITYTVGVLDPAAGSQGPLSTTLTFSSPVTNQAIAIPVTVAFVVDRRGPGPYG ASLFQHFLDSYQ
Research Area	Transport
Source	E.coli
Target Names	NUP210
Expression Region	1529-1808aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	34.5kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The recombinant Human NUP210 was expressed with the amino acid range of 1529-1808. The calculated molecular weight for this NUP210 protein is 34.5 kDa. The NUP210 protein was expressed in e.coli. The NUP210 coding gene included the N-terminal 6xHis tag, which simplifies the detection and purification processes of the recombinant NUP210 protein in following stages of expression and purification.

The human nuclear pore membrane glycoprotein 210 (NUP210) is a crucial component of the nuclear pore complex, a structure that regulates the transport of molecules between the nucleus and cytoplasm. NUP210 is localized to the nuclear envelope and is involved in the formation and stabilization of the nuclear pore complex. It plays a key role in nucleocytoplasmic transport, facilitating the selective passage of macromolecules, including proteins and RNA. Additionally, NUP210 has been implicated in the regulation of gene expression and cellular processes related to nuclear envelope dynamics. Research areas involving NUP210 encompass nuclear transport mechanisms, nuclear envelope organization, and the potential impact of NUP210 dysfunction on cellular homeostasis. Understanding NUP210's functions provides insights into fundamental cellular processes and may have implications for various physiological and pathological conditions.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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