

Recombinant Human NVL, His-tagged

Cat. No. NVL-30495TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 431-734 of Human NVL with an N terminal His tag. Predicted mwt: 34 kDa;
Species	Human
Source	E.coli
ProteinLength	431-734 a.a.
Description	This gene encodes a member of the AAA (ATPases associated with diverse cellular activities) superfamily. Multiple transcript variants encoding different isoforms have been found for this gene. Two encoded proteins, described as major and minor isoforms, have been localized to distinct regions of the nucleus. The largest encoded protein (major isoform) has been localized to the nucleolus and shown to participate in ribosome biosynthesis (PMID: 15469983, 16782053), while the minor isoform has been localized to the nucleoplasm.
Conjugation	HIS
Tissue specificity	Widely expressed. Highest level of expression in heart, placenta, skeletal muscle, pancreas and retina.
Form	Lyophilised:Reconstitute with 60 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium

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	phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	DQDPLSEEQMQGLCIELNDFIVALSSVQPSAKREGFVTVP NVTWADIGALEDIREEL TMAILAPVRNPDQFKALGLVT PAGVLLAGPPGCGKTLLAKAVANESGLNFISVKGPE LLNMYVGESERAVRQVFQRAKNSAPCVIFFDEVDALCPRRS RETGASVRVQNQLL TEMDGLEARQQVFIMAATNRPDII DPAILRPGRLDKTLFVGLPPPADRLAILKTITKNG TKPPL DADVNL EAIAGDLRCDCTGADLSALVREASICALRQE MARQKSGNEKGEL KVSHKHFEFAFKKVRSSIS
Sequence Similarities	Belongs to the AAA ATPase family.
GENE INFORMATION	
Gene Name	NVL nuclear VCP-like [Homo sapiens]
Official Symbol	NVL
Synonyms	NVL; nuclear VCP-like; nuclear valosin-containing protein-like; Nuclear valosin containing protein like; nuclear VCP like protein;
Gene ID	4931
mRNA Refseq	NM_001243146
Protein Refseq	NP_001230075
MIM	602426

Uniprot ID	O15381
Chromosome Location	1q41-q42.2
Pathway	Ribosome biogenesis in eukaryotes, organism-specific biosystem; Ribosome biogenesis in eukaryotes, conserved biosystem;
Function	ATP binding; nucleoside-triphosphatase activity; nucleotide binding;

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