

Recombinant Human NVL Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NVL-1855H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NVL MS Standard C13 and N15-labeled recombinant protein (NP_002524) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	94.9 kDa
AA Sequence	MKPRPAGFVDNKLKQRVIQYLTSNKCCKYVDIGVLASDLQRVYSIDYGRRKRNAFRI QVEKVFSIISSEKELKNLTELEDEHLAKRARQGEEDNEYTESYSDDDSSMEDYPDPQ SANHNMNSSLLSLYRKGNPDVSNTPEMEQRETTSSTPRISSKTGSIPLKTPAKDSEG GWFIDKTPSVKKDSFFLDLSCEKSNPKKPITEIQDSKDSSLLESDMKRKGKLNKGS KRKKEDLQEVGDGEIEAVLQKKAKARGLEFQISNVKFEDVGGNDMTLKEVCKMLIHMR HPEVYHHLGVPPRGVLLHGPPGCGKTLAHAIAGELDLPILKVAAPEIVSGVSGESE

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QKLRELFEQAVSNAPCIIFIDEIDAITPKREVASKDMERRIVAQLLTCMDDLNNVAATA
 RVLVIGATNRPDSLDPALRRAGRFDREICLGIPDEASRERILQTLCKRLRPQAFDFC
 HLAHLTPGFVGADLMALCREAAMCAVNRVLMKLQEQQKNPEMEDLPSKGVQEER
 LGTEPTSETQDELQRLLGLLRDQDPLSEEQMQGLCIELNDFIVALSSVQPSAKREGF
 VTPPNVTWADIGALEDIREELTMAILAPVRNPDQFKALGLVTPAGVLLAGPPGCGKTL
 LAKAVANESGLNFISVKGPELLNMYVGESERAVRQVFQRAKNSAPCVIFFDEVDALC
 PRRSDRETGASVRVQNQLLEMDGLEARQQVFIMAATNRPDIIDPAILRPGRLDKTLF
 VGLPPPADRLAILKTITKNGTKPPLDADVNLAIAGDLRCDCYTGADLSALVREASICA
 LRQEMARQKSGNEKGELKVSHKHFEFAFKKVRSSISKKDQIMYERLQESLSRTRTR
 PLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name NVL nuclear VCP-like [Homo sapiens (human)]

Official Symbol NVL

Synonyms NVL; nuclear VCP-like; nuclear valosin-containing protein-like; Nuclear valosin containing protein like; nuclear VCP like protein; NVLp;

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Gene ID	4931
mRNA Refseq	NM_002533
Protein Refseq	NP_002524
MIM	602426
UniProt ID	O15381
SDS-PAGE	