

## General Information

### Gene Name Synonym

Angiotensin-binding protein; Microsomal endopeptidase; Mitochondrial oligopeptidase M; Neurotensin endopeptidase

### Protein Construction

A DNA sequence encoding the human NLN (NP\_065777.1) (Ser38-Pro704) was expressed with a polyhistidine tag at the N-terminus.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Activity

Measured by its ability to cleave a fluorogenic peptide substrate, (7-methoxycoumarin-4-yl)acetyl Pro-Leu-Gly-Pro-D-Lys(2,4-dinitrophenyl)-OH. The specific activity is > 100 pmol/min/μg.

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

His

### Molecular Mass

The recombinant human NLN consists of 685 amino acids and predicts a molecular mass of 78.7 kDa. It migrates as an approximately 67 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

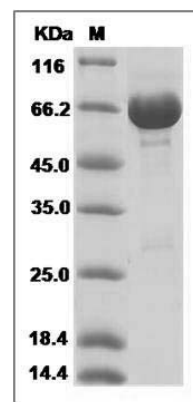
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human Neurolysin / NLN Protein (His Tag) SDS-PAGE