

# Recombinant Human NGAL protein (His Tag)

Catalog Number: Eg0268

## Basic Information

**Species:**  
Human**Purity:**  
>90 %, SDS-PAGE**Tag:**  
His Tag

## Technical Specifications

**Purity:**

&gt;90 %, SDS-PAGE

**Endotoxin Level:**

&lt;1.0 EU/μg protein, LAL method

**Source:**

HEK293-derived Human NGAL protein Gln21-Gly198(Accession# P80188) with a His tag at the C-terminus.

**GeneID:**

3934

**Accession:**

P80188

**Predicted Molecular Mass:**

22.3 kDa

**SDS-PAGE:****Formulation:**

Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

Neutrophil gelatinase-associated lipocalin (NGAL), also known as lipocalin-2, 24p3, siderocalin, or uterocalin, is a small secreted glycoprotein of 25 kDa. NGAL was initially identified in mature neutrophil granules, but has since been described in many other cell types. NGAL is expressed in renal, endothelial, liver, and smooth muscle cells (SMCs), as well as cardiomyocytes, neurons, and various populations of immune cells, such as macrophages and dendritic cells.

## References

1. Liu, Fenghua et al. Advances in medical sciences vol. 60,1 (2015): 133-8.
2. Buonafine, Mathieu et al. Clinical science (London, England : 1979) vol. 132,9 909-923.

## Synonyms

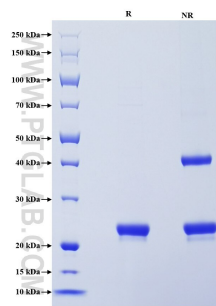
LCN2, lipocalin 2, 24p3, 25 kDa alpha-2-microglobulin-related subunit of MMP-9, HNL

For technical support and original validation data for this product please contact

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## Selected Validation Data



Purity of Recombinant Human NGAL was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.