

Recombinant Human NGAL protein (C-10*HIS)

Catalog Number: Eg0268

Basic Information

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

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<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

Selected Validation Data

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

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