

For Research Use Only

Recombinant Human Lipocalin-2/NGAL protein (His Tag)



Catalog Number: Eg0998

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
His Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Human Lipocalin-2 protein Gln21-Gly198 (Accession# P80188-1) with a His tag at the C-terminus.

GeneID:

3934

Accession:

P80188-1

Predicted Molecular Mass:

22.2 kDa

SDS-PAGE:

21-25 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μm filtered solution in 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 (LCN2), is a secreted glycoprotein that belongs to the lipocalin protein family. Several roles of NGAL was identified, including iron trafficking, chemotactic, and promote cell differentiation and proliferation. NGAL was originally found in human neutrophils, and expressed in tissues containing renal, uterus, liver, spleen, as well as cardiomyocytes, neurons and immune cells. NGAL is a significant biomarker of cardiovascular diseases, ischemic stroke, acute renal injury, inflammation and metabolic diseases, and it can be detected in human serum, saliva and urine.

References

1. Bauvois B. et al. (2018) Cancers (Basel). 18;10(9).
2. Buonafina M. et al. (2018) Clin Sci (Lond). 132(9):909-923.
3. Abella V. et al. (2015) Biomarkers. 20(8):565-71.
4. Devarajan P. et al. (2008) Scand J Clin Lab Invest Suppl. 241:89-94.

Synonyms

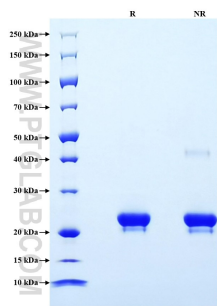
LCN2, lipocalin 2, NGAL, 24p3, 25 kDa alpha-2-microglobulin-related subunit of MMP-9

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

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Selected Validation Data



Purity of Recombinant Human Lipocalin-2 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.