

Human LCN2/NGAL (His Tag) recombinant protein



Catalog Number: 502261

General Information

Gene Name Synonym

25 kDa alpha-2-microglobulin-related subunit of MMP-9; Lipocalin-2; Oncogene 24p3; Siderocalin LCN2; p25

Protein Construction

A DNA sequence encoding the human Lipocalin 2 precursor (NP_005555.2) (Met 1-Gly 198) was expressed with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to bind Iron(III) dihydroxybenzoic acid [Fe(DHBA)3]. The binding of Fe(DHBA)3 results in the quenching of Trp fluorescence in recombinant human Lipocalin-2. Recombinant human Lipocalin-2 can bind $>1.5 \mu\text{M}$ of Fe(DHBA)3.

Purity

$> 97 \%$ as determined by SDS-PAGE

Endotoxin

$< 1.0 \text{ EU per } \mu\text{g}$ of the protein as determined by the LAL method

Stability

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

Predicted N terminal

Gln 21

Molecular Mass

The secreted recombinant human LCN2 consists of 195 amino acids. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhLCN2 is approximately 22 kDa as predicted.

Formulation

Lyophilized from sterile PBS, pH 7.5

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

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

Usage Guide

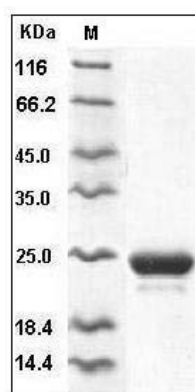
Storage

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 LCN2 / NGAL Protein (His Tag) SDS-PAGE