Mouse LCN2/NGAL (His Tag) recombinant protein

Catalog Number: 500314

General Information

Gene Name Synonym

Lipocalin-2; SV-40-induced 24P3 protein; Siderocalin LCN2; p25

Protein Construction

A DNA sequence encoding the mouse LCN2 (NP_032517.1) precursor (Met 1-Asn 200) was expressed with a C-terminal polyhistidine tag.

Organism

Mouse

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 mouse Lipocalin-2. Recombinant mouse Lipocalin-2 can bind >1.0 μM of Fe(DHBA)3.

Purity

> 97 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

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

Predicted N terminal

Gln 20

Molecular Mass

The secreted recombinant mouse LCN2 consists of 191 amino acids and has a calculated molecular mass of 22.3 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 25 kDa protein 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

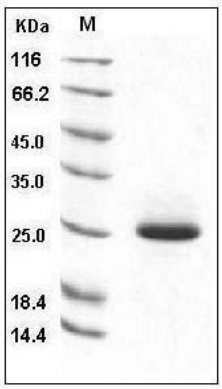
Storage

Store it under sterile conditions at -20℃ to -80℃. 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



Mouse LCN2 / NGAL Protein (His Tag) SDS-PAGE