# Human LCN1/Lipocalin 1 (His Tag) recombinant protein

Catalog Number: 502626



# General Information

## **Protein Construction**

A DNA sequence encoding the human LCN1 (NP\_002288.1) extracellular domain (Met 1-Asp176) was fused with a polyhistidine tag at the C-terminus.

## **Organism**

Human

# **Expression Host**

**Human Cells** 

# **QC Testing**

# Activity

Measured by its ability to inhibit active Cathepsin V cleavage of a fluorogenic peptide substrate Z-LR-AMC, (R&D Systems, Catalog # ES008). The IC50 value is < 400 nM.

#### **Purity**

> 95 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  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

**His 19** 

#### **Molecular Mass**

The secreted recombinant human LCN1 consists of 169 amino acids and has a predicted molecular mass of 19 kDa The apparent molecular mass of the protein is approximately 20 kDa 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**

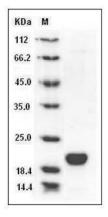
# **Storage**

Store it under sterile conditions at -20°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 LCN1 / VEGP / Lipocalin-1 Protein (His Tag) SDS-PAGE