
Product Data Sheet

Product Name: LCN2 Mouse
 Cat. No.: GP21870
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Neutrophil gelatinase-associated lipocalin; NGAL; Lipocalin-2; SV-40-induced 24P3 protein; Siderocalin LCN2; p25.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSQDSTQNL IPAPSLLTVP LQPDFRSDQF RGRWYVVGLA GNAVQKKTEGSFTMYSTIYE LQENNSYNVT SILVRDQDQG CRYWIRTFVP SSRAGQFTLG NMHRYPQVQS YNVQVATTDYNQFAMVFFRK TSENKQYFKI TLYGRTKELS PELKERFTRF AKSLGLKDDN IFSVPTDQC IDN.		
Formulation	LCN2 protein solution (0.5mg/ml) containing Phosphatebuffered saline (pH7.4), 10% glycerol and 1mM DTT.		

Introduction

Lipocalin-2 also called Neutrophil Gelatinase Associated Lipocalin (NGAL) belongs to a family of lipocans which include 25 proteins (including α 1-microglobulin and b-lactoglobulin), which are characterized by their ability to bind small lipophilic substances in their hydrophobic core. They thereby serve as transporters of substances like retinal, biliverdins & prostaglandins. There are indications that NGAL is involved in modulation of the inflammatory response and is found in the plasma of patients after stroke.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

LCN2 Mouse Recombinant produced in E. Coli is a single, non-glycosylated polypeptide chain containing 203 amino acids (21-200 a.a) and having a molecular mass of 23.3kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

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