
Product Data Sheet

Product Name: LCN2 Rat
 Cat. No.: GP21871
 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; Alpha-2-microglobulin-related protein; Alpha-2U globulin-related protein; Lipocalin-2; Siderocalin LCN2; p25.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSQDSTQNL IPAPPLISVP LQPGFWTERF QGRWFVVGLA ANAVQKERQSRFTMYSTIYE LQEDNSYNVT SILVRGQGCR YWIRTFVPSS RPGQFTLGNI HSYPQIQSYD VQVADTDYDQFAMVFFQKTS ENKQYFKVTL YGRTKGLSDE LKERFVVSFAKSLGLKDNNIV FSVPTDQCID N.		
Formulation	LCN2 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH7.4) and 20% glycerol.		

Introduction

Lipocalin-2 also called Neutrophil Gelatinase Associated Lipocalin (NGAL) belongs to a family of lipocalins 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 Rat Recombinant produced in E. Coli is a single, non-glycosylated polypeptide chain containing 201 amino acids (21-198 a.a) and having a molecular mass of 22.9 kDa. LCN2

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

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is fused to a 23 amino acid His-tag at N-terminus& purified by proprietary chromatographic techniques.

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