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## Product Data Sheet

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Product Name: LCN2 Human, Pichia  
Cat. No.: GP21869  
Batch No.: 1

### Product Data

Purity	>98%	Source	Pichia pastoris.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Neutrophil gelatinase-associated lipocalin; NGAL; p25; 25 kDa alpha-2-microglobulin-related subunit of MMP-9; Lipocalin-2; Oncogene 24p3; LCN2.		
Solubility	It is recommended to reconstitute the lyophilized LCN2 in sterile 18MΩ-cm H <sub>2</sub> O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	LCN2 was lyophilized from 0.02M NH <sub>4</sub> HCO <sub>3</sub> .		

### Introduction

Recombinant Human Lipocalin-2 also called Neutrophil Gelatinase Associated Lipocalin (NGAL) belongs to a family of lipocans which include 25 proteins (including α1-microglobulin and β-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

Lyophilized LCN2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution LCN2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Background

Neutrophil Gelatinase Associated Lipocalin Human Recombinant is expressed in Pichia pastoris having a molecular weight of approximately 21kDa. The LCN2 is purified by

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

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proprietary chromatographic techniques.

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