

Recombinant Human Neutrophil Gelatinase Associated Lipocalin/Lipocalin-2

Cat. No. LCN2-106H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Neutrophil Gelatinase Associated Lipocalin Human Recombinant is expressed in <i>Pichia pastoris</i> having a molecular weight of approximately 21kDa. The LCN2 is purified by proprietary chromatographic techniques.
Species	Human
Source	<i>P.pastoris</i>
Description	Recombinant Human 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.
Form	Sterile Filtered White lyophilized (freeze-dried) powder. LCN2 was lyophilized from 0.02M NH_4HCO_3 .
Purity	Greater than 96% as determined by SDS-PAGE.
Usage	For LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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Storage 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.

Reconstitution It is recommended to reconstitute the lyophilized LCN2 in sterile 18MΩ-cm H₂O not less than 100g/ml, which can then be further diluted to other aqueous solutions.

GENE INFORMATION

Gene Name [LCN2 lipocalin 2 \[Homo sapiens \]](#)

Official Symbol LCN2

Synonyms LCN2; lipocalin 2; lipocalin 2 (oncogene 24p3); neutrophil gelatinase-associated lipocalin; 24p3; neutrophil gelatinase associated lipocalin; NGAL; oncogene 24p3; siderocalin; p25; lipocalin-2; migration-stimulating factor inhibitor; 25 kDa alpha-2-microglobulin-related subunit of MMP-9; MSFI;

Gene ID [3934](#)

mRNA Refseq [NM_005564](#)

Protein Refseq [NP_005555](#)

MIM [600181](#)

UniProt ID P80188

Chromosome Location 9q34

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Function

binding; iron ion binding; transporter activity;

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