

## LCN2 Human

**Description:** Neutrophil Gelatinase Associated Lipocalin Human Recombinant is expressed in E. coli having a molecular weight of 28.1 kDa fused to an amino terminal hexahistidine tag. The LCN2 is purified by proprietary chromatographic techniques.

**Catalog #:** ENPS-304

For research use only.

**Synonyms:** Neutrophil gelatinase-associated lipocalin, NGAL, p25, 25 kDa  
alpha-2-microglobulin-related subunit of MMP-9, Lipocalin-2, Oncogene 24p3, LCN2.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Purity:** Greater than 95% as determined by SDS-PAGE. Single band on Western Blot.

**Formulation:**

Lipocalin-2 is supplied in PBS, 50% glycerol.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Applications:**

LCN2 can be used directly as a positive control in Western blotting, ELISA, immunoprecipitation and other immunological experiments. The biological activity of this product has not yet been tested.

**Introduction:**

Recombinant Human Lipocalin-2 also called Neutrophil Gelatinase Associated Lipocalin (NGAL) belongs to a family of lipocans which include 25 proteins (including  $\alpha$ 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.

**Storage:**

Store at 4°C if entire vial will be used within 1-2 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

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