

32-2500: LCN2 Pichia Recombinant Protein

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

Description

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

Product Info

Amount : 20 μ g
Purification : Greater than 96% as determined by SDS-PAGE.
Content : LCN2 was lyophilized from 0.02M NH_4HCO_3 .
Storage condition : 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.

Application Note

It is recommended to reconstitute the lyophilized LCN2 in sterile $18\text{M}\Omega\cdot\text{cm}$ H_2O not less than $100\mu\text{g/ml}$, which can then be further diluted to other aqueous solutions.

