

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 lipocalins which include 25 proteins (including alpha-1-microglobulin and beta-2-microglobulin), 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 µg
Purification :	Greater than 96% as determined by SDS-PAGE.
Content :	LCN2 was lyophilized from 0.02M NH ₄ HCO 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 18MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

