

Neutrophil Gelatinase Associated Lipocalin/Lipocalin-2 Human Recombinant

Item Number rAP-1268

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

Description 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.

Uniprot Accesion Number P80188

Amino Acid Sequence

Source *Pichia pastoris*.

Physical Appearance and Stability Sterile Filtered White lyophilized (freeze-dried) powder. 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.

Formulation and Purity LCN2 was lyophilized from 0.02M NH4HCO3. Greater than 96% as determined by SDS-PAGE.

Application

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

Biological Activity

Shipping Format and Condition Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**