

Neutrophil Gelatinase Associated Lipocalin/Lipocalin-2 Human Recom-

Item Number	rAP-1270
Synonyms	Neutrophil gelatinase-associated lipocalin, NGAL, p25, 25 kDa alpha-2-microglobulin-related subunit of MMP-9, Lipocalin-2, Oncogene 24p3, LCN2.
Description	LCN2 Human Recombinant produced in E.Coli is a homodimeric non-glycosylated polypeptide chains consisting of two 178 amino acids and having a molecular mass of 41.0kDa.
Uniprot Accession Number	P80188
Amino Acid Sequence	QDSTSDLIPA PPLSKVPLQQ NFQDNQFQ GK WYVVGLAGNA ILREDKDPQK MYATIELKE DKSYNV-TSVL FRKKKCDYWI RTFVPGCQPG EFTLGNIKSY PGLTSYLVRV VSTNYNQHAM VFFKKVSQNR EYFKITLYGR TKELTSELKE NFIRFSKSLG LPENHIVFPV PIDQCIDG
Source	Escherichia Coli.
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 protein was lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4, with 0.05 % Tween-20. Greater than 95.0% as determined by: (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	
Biological Activity	The ED50 as determined by a cell proliferation assay using human TF-1 cells is less than 0.5ng/ml, corresponding to a specific activity of > 2.0 × 1,000,000 IU/mg.
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**