

# Active Recombinant Human LCN2 protein, His-tagged, Low Endotoxin

**Cat. No.** LCN2-042H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human LCN2 protein(P80188-1)(Gln21-Gly198), fused with C-terminal His tag, was expressed in HEK293.                                                         |
| <b>Species</b>          | Human                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                  |
| <b>ProteinLength</b>    | 21-198 aa                                                                                                                                                               |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                          |
| <b>Bio-activity</b>     | Immobilized Human NGAL, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Anti-NGAL Antibody, hFc Tag with the EC50 of 2.5ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 21.64 kDa. Due to glycosylation, the protein migrates to 25-30 kDa based on Bis-Tris PAGE result.                                     |
| <b>Endotoxin</b>        | Less than 0.01 EU per µg by the LAL method.                                                                                                                             |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC                                                                                                       |
| <b>Storage</b>          | Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3                                                                                       |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Reconstitution** Dissolve the lyophilized protein in distilled water.

## GENE INFORMATION

**Gene Name** LCN2 lipocalin 2 [ Homo sapiens ]

**Official Symbol** LCN2

**Synonyms** LCN2; lipocalin 2; lipocalin 2 (oncogene 24p3); neutrophil gelatinase-associated lipocalin; 24p3; neutrophil gelatinase associated lipocalin; NGAL; oncogene 24p3; siderocalin; p25; lipocalin-2; migration-stimulating factor inhibitor; 25 kDa alpha-2-microglobulin-related subunit of MMP-9; MSFI;

**Gene ID** 3934

**mRNA Refseq** NM\_005564

**Protein Refseq** NP\_005555

**MIM** 600181

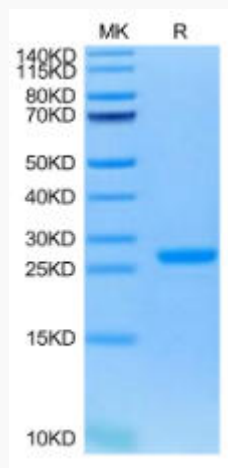
**UniProt ID** P80188

 Tel: 1-631-559-9269 1-516-512-3133

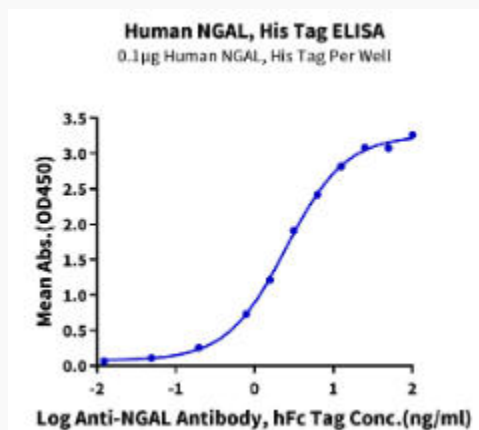
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## Bis-Tris PAGE



## ELISA Data



Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA