

## Active Recombinant Human NGAL Protein

**Cat. No.** LCN2-1026H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human neutrophil gelatinase-associated lipocalin (NGAL) protein with a C-terminal histidine tag. Predicted molecular weight: 22 kDa.                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | Neutrophil gelatinase-associated lipocalin (NGAL) is a small glycoprotein expressed in the bone marrow, epithelial tissues associated with antimicrobial defense, and in the distal tubules and collecting duct of the kidney. Elevated levels of blood and urine NGAL are associated with acute or chronic renal failure |
| <b>Form</b>             | Lyophilized from 0.2 µm filtered solution                                                                                                                                                                                                                                                                                 |
| <b>Bio-activity</b>     | Anti-h NGAL 4202: + Anti-h NGAL 4203: + Anti-h NGAL 4204: + Anti-h NGAL 4205: +                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 22 kDa                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | QDSTSDLIPAPPLSKVPLQQNFQDNQFQGKWYVVGLAGNAILREDKDPQKMYATIIY<br>ELKEDKSYNV TSVLFRKKKCDYWIRTFVPGCQPGEFTLGNIKSYPLTSYLVRVST<br>NYNQHAMVFFKKVSQNREYF KITLYGRTKELTSELKENFIRFSKSLGLPENHIVFPVP<br>IDQCIDGSGGHHHHHHHH                                                                                                                |
| <b>Storage</b>          | 2–8centigrade                                                                                                                                                                                                                                                                                                             |

 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

|                       |                                                                                                              |
|-----------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Concentration</b>  | 0.5 mg/ml when reconstituted with 200 µof deionized water                                                    |
| <b>Storage Buffer</b> | Phosphate buffered saline, pH 7.4; containing 3 % sucrose, 2 % D-mannitol and 0.01 % Tween 20 as stabilizers |
| <b>Reconstitution</b> | Reconstitute lyophilized protein with 200 µof deionized water                                                |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | LCN2 lipocalin 2 [ Homo sapiens ]                                                                                                                                                                                                                                                                      |
| <b>Official Symbol</b> | LCN2                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 3934                                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>     | NM_005564                                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>  | NP_005555                                                                                                                                                                                                                                                                                              |
| <b>MIM</b>             | 600181                                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>      | 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