

## Native Human LCN2

**Cat. No.** LCN2-384H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Native Human LCN2 was purified from Human Neutrophils.                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Human Neutrophil                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | Lipocalin-2 (LCN2), also known as oncogene 24p3 or neutrophil gelatinase-associated lipocalin (NGAL), is a protein that in humans is encoded by the LCN2 gene. NGAL is involved in innate immunity by sequestering iron that in turn limits bacterial growth. It is expressed in neutrophils and in low levels in the kidney, prostate, and epithelia of the respiratory and alimentary tracts. NGAL is used as a biomarker of kidney injury |
| <b>Form</b>             | Liquid in sodium acetate, sodium chloride and glycerol                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | >90% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage</b>          | Store at -20 °C                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Concentration</b>    | >0.1 mg/mL (ELISA)                                                                                                                                                                                                                                                                                                                                                                                                                           |

### GENE INFORMATION

|                  |                                   |
|------------------|-----------------------------------|
| <b>Gene Name</b> | LCN2 lipocalin 2 [ Homo sapiens ] |
|------------------|-----------------------------------|

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|                            |                                                                                                                                                                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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-microg |
| <b>Gene ID</b>             | <a href="#">3934</a>                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>         | <a href="#">NM_005564</a>                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>      | <a href="#">NP_005555</a>                                                                                                                                                                                                                                       |
| <b>MIM</b>                 | <a href="#">600181</a>                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | <a href="#">P80188</a>                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 9q34                                                                                                                                                                                                                                                            |
| <b>Function</b>            | binding; iron ion binding; transporter activity;                                                                                                                                                                                                                |

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