

Human CellExp Lipocalin-2 / LCN2, rat recombinant protein

NGAL, LCN2, Lipocalin-2, 24p3, MSFI, Siderocalin; Oncogene 24p3; Neutrophil Gelatinase-associated Li Catalog # PBV11178r

Specification

Human CellExp Lipocalin-2 / LCN2, rat recombinant protein - Product info

Primary Accession <u>P30152</u>

Calculated MW ~25.0 kDa (monomer). Rat lipocalin-2 (aa

1-198) is fused at the C-terminus to a

FLAG®-tag. KDa

Human CellExp Lipocalin-2 / LCN2, rat recombinant protein - Additional Info

Gene ID 170496
Gene Symbol LCN2

Other Names

NGAL, LCN2, Lipocalin-2, 24p3, MSFI, Siderocalin; Oncogene 24p3; Neutrophil

Gelatinase-associated Lipocalin; NGAL.

Gene Source Rat

Source HEK293 cells
Assay&Purity SDS-PAGE; ≥90%
Assay2&Purity2 N/A;
Recombinant Yes

Target/Specificity

Lipocalin-2

Format Liquid

Storage

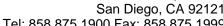
-20°C; 0.2 μm-filtered solution in PBS

Human CellExp Lipocalin-2 / LCN2, rat recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Human CellExp Lipocalin-2 / LCN2, rat recombinant protein - Images





Human CellExp Lipocalin-2 / LCN2, rat recombinant protein - Background

Lipocalin-2 (LCN2), also known as oncogene 24p3 or neutrophil gelatinase-associated lipocalin (NGAL), MSFI, The binding of lipocalin-2 to bacterial siderophores is important in the innate immune response to bacterial infection. Upon encountering invading bacteria the toll-like receptors on immune cells stimulate the synthesis and secretion of lipocalin-2. Secreted lipocalin-2 then limits bacterial growth by sequestering iron-containing siderophores. Lipocalin-2 also functions as a growth factor. LCN2 is strongly upregulated during inflammation and is upregulated by interleukin 1 (but not TNF alpha) in humans. There are indications that some forms of acne could be caused due to the gene not being transcribed, and that Isotretinoin corrects this. NFAT3 (NFATc4) NFAT by blocking the expression of LCN2 inhibits breast carcinoma cell motility. Recent studies have revealed that NGAL plays an important role in the physiopathology of chronic myeloid leukaemia (CML) mediated by BCR-ABL.

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Chan Y.-L., et al. Nucleic Acids Res. 16:11368-11368(1988). Peng Y., et al. Proteins 79:2316-2320(2011).