

# Human CellExp™ Lipocalin-2 / LCN2, mouse recombinant

**CATALOG #:** 7568-10 10 µg  
7568-50 50 µg

**ALTERNATE NAMES:** NGAL, LCN2, Lipocalin-2, 24p3, MSFI, Siderocalin; Oncogene 24p3; Neutrophil Gelatinase-associated Lipocalin; NGAL.

**SOURCE:** HEK 293 cells

**PURITY:** ≥ 90% by SDS-PAGE gel

**MOL. WEIGHT:** ~25.0 kDa (monomer). Mouse lipocalin-2 (aa 1-200) is fused at the C-terminus to a FLAG®-tag.

**ENDOTOXIN LEVEL:** <0.1 EU/µg purified protein (LAL test; Lonza).

**FORM:** Liquid

**FORMULATION:** 0.2 µm-filtered solution in PBS

**STORAGE CONDITIONS:** Prepare aliquots and store at -20°C. Avoid repeated freeze/thaw cycles.

**DESCRIPTION:** 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.

**RELATED PRODUCTS:**

- Human CellExp™ Lipocalin-2, human recombinant (7460-10, -50)
- Human CellExp™ Lipocalin-2, rat recombinant (7569-10, -50)
- Lipocalin-2, human recombinant (4928-10, -50, -1000)
- Lipocalin-2 Antibody (Cat # 3819-100)
- Lipocalin-2 Antibody (Cat # 3902-100)
- Lipocalin-2 Blocking peptide (Cat # 3819BP-50)
- Human CellExp™ RBP4, human recombinant (Cat. No. 7563-10, -50)
- RBP4, rat recombinant (Cat. No. 7567-10, -50)
- RBP4, mouse recombinant (Cat. No. 7565-10, -50)
- Human CellExp™ RBP4, mouse recombinant (Cat. No. 7564-10, -50)
- Human CellExp™ RBP4, rat recombinant (Cat. No. 7566-10, -50)
- RBP4, human recombinant (Cat. No. 4940-20, -1000)
- RBP4 Antibody (Cat. No. 3716-100)
- RBP4 (human) Competitive ELISA Kit (Cat. No. K4911-100)
- RBP4 (human) ELISA Kit (Cat. No. K4912-100)
- RBP4 (mouse/rat) ELISA Kit (Cat. No. K4913-100)

**FOR RESEARCH USE ONLY! Not to be used in humans.**