

## 32-9740: Recombinant Human NGAL/Lipocalin-2/LCN2 (C-6His, Human Cells)

**Alternative Name** : Neutrophil gelatinase-associated lipocalin; NGAL; 25 kDa alpha-2-microglobulin-related subunit of MMP-9; Lipocalin-2; Oncogene 24p3; Siderocalin LCN2;p25;HNL;NGAL

### Description

Source : Human Cells;

LCN2 is iron-trafficking protein involved in multiple processes such as apoptosis, innate immunity and renal development. LCN2 binds iron through association with 2,5-dihydroxybenzoic acid (2,5-DHBA), a siderophore that shares structural similarities with bacterial enterobactin, and delivers or removes iron from the cell, depending on the context. LCN2 is involved in apoptosis due to interleukin-3 (IL3) deprivation: iron-loaded form increases intracellular iron concentration without promoting apoptosis, while iron-free form decreases intracellular iron levels, inducing expression of the proapoptotic protein BCL2L11/BIM, resulting in apoptosis. LCN2 is involved in innate immunity, possibly by sequestering iron, leading to limit bacterial growth.

### Product Info

**Amount** : 50 µg / 10 µg

**Content** : Supplied as a 0.2 µm filtered solution of PBS, 50% glycerol,pH7.4.

**Amino Acid** : Recombinant Human NGAL is produced by our Mammalian expression system and the target gene encoding Gln21-Gly198 is expressed with a 6His tag at the C-terminus.