

32-8025: Recombinant Human NGAL/Lipocalin-2/LCN2 (C-6His, Human Cells)(Discontinued)

Gene : LCN2
Gene ID : 3934
Uniprot ID : P80188

Description

Source: Human Cells.
MW :21.6kD.

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. 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 : 6His, Human Cells) / 50 µg
Content : Supplied as a 0.2 µm filtered solution of PBS, 50% glycerol,pH7.4.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : QDSTSDLIPAPPLSKVPLQQNFQDNQFQGWYVVGLAGNAILREDKDPQKMYATYELKEDKSYNVTSVLFRRK
KCDYWIRTFVPGCQPGFETLGNISYPGLTSLVRRVSTNYNQHAMVFFKKVSQNYREYFKITLYGRTEKELTSELK
ENFIRFSKSLGLPENHIVFPVPIQCIDGVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.