

Product datasheet for **TP307685**

NGAL (LCN2) (NM_005564) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human lipocalin 2 (LCN2), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC207685 protein sequence
Red=Cloning site **Green**=Tags(s)

MPLGLLWLGLALLGALHAQAQDSTSDLIPAPPLSKVPLQQNFQDNQFQGKQWYVWGLAGNAILREDKDPQK
MYATIYELKEDKSYNVTSVLFRRKKCDYWIRTFVPGCQPGFTLGNIKSYPLTSLYLRVWSTNYNQHAM
VFFKVSQNREYFKITLYGRTKELTSELKENFIRFSKSLGLPENHIVFPVPIDQCIDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 22.4 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_005555](#)

Locus ID: 3934

UniProt ID: [P80188](#)

RefSeq Size: 840



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Cytogenetics: 9q34.11

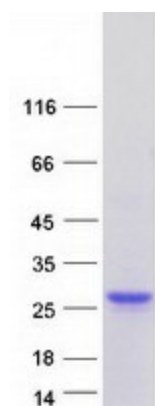
RefSeq ORF: 594

Synonyms: 24p3; MSFI; NGAL; p25

Summary: This gene encodes a protein that belongs to the lipocalin family. Members of this family transport small hydrophobic molecules such as lipids, steroid hormones and retinoids. The protein encoded by this gene is a neutrophil gelatinase-associated lipocalin and plays a role in innate immunity by limiting bacterial growth as a result of sequestering iron-containing siderophores. The presence of this protein in blood and urine is an early biomarker of acute kidney injury. This protein is thought to be involved in multiple cellular processes, including maintenance of skin homeostasis, and suppression of invasiveness and metastasis. Mice lacking this gene are more susceptible to bacterial infection than wild type mice. [provided by RefSeq, Sep 2015]

Protein Families: Secreted Protein

Product images:



Coomassie blue staining of purified LCN2 protein (Cat# TP307685). The protein was produced from HEK293T cells transfected with LCN2 cDNA clone (Cat# [RC207685]) using MegaTran 2.0 (Cat# [TT210002]).