

Product datasheet for AR09848PU-N

OriGene Technologies, Inc.

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Lipocalin-2 (21-198, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: Lipocalin-2 (21-198, His-tag) human recombinant protein, 0.1 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MQDSTSDLIP APPLSKVPLQ QNFQDNQFQG KWYVVGLAGN

AILREDKDPQ KMYATIYELK EDKSYNVTSV LFRKKKCDYW IRTFVPGCQP GEFTLGNIKS YPGLTSYLVR VVSTNYNQHA MVFFKKVSQN REYFKITLYG RTKELTSELK ENFIRFSKSL GLPENHIVFP VPIDQCIDG

Tag: His-tag

Predicted MW: 22.8 kDa

Concentration: lot specific

Purity: >90% by SDS-PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% Glycerol, 1 mM DTT, 50 mM

NaCl

Preservative: None

Preparation: Liquid purified protein

Protein Description: Recombinant Human LCN2 protein, fused to *His-tag* at N-terminus, was expressed in *E.coli*

and purified by using conventional chromatography techniques.

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 005555

Locus ID: 3934

 UniProt ID:
 P80188

 Cytogenetics:
 9q34.11

Synonyms: 24p3; MSFI; NGAL; p25





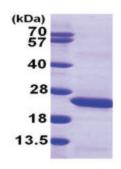
Summary:

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 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:



15% SDS-PAGE (3ug)