

Product datasheet for **AR09848PU-N**

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:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MQDSTSDLIP</u> APPLSKVPLQ QNFQDNQFQG KWYVWGLAGN AILREDKDPQ KMYATIIYELK EDKSYNVTSV LFRKKKCDYW IRTFVPGCQP GEFTLGNIKS YPGLTSYLVR VVSTNYNQHA MVFFKKVSNQ 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 <i>His-tag</i> at N-terminus, was expressed in <i>E.coli</i> 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:	<u>NP_005555</u>
Locus ID:	3934
UniProt ID:	<u>P80188</u>
Cytogenetics:	9q34.11
Synonyms:	24p3; MSFI; NGAL; p25



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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: