Neutrophil Gelatinase Associated Lipocalin: Human, Recombinant, E Coli recombinant protein

Catalog Number: 10-731-288189

Related Product Names:
- LCN2 protein; LCN2; HNL; NGAL; Neutrophil Gelatinase Associated Lipocalin: Human, Recombinant, E Coli
- NGAL; NGAL; p25; 25 kDa alpha-2-microglobulin-related subunit of MMP-9; Lipocalin-2; Oncogene 24p3; Neutrophil gelatinase-associated lipocalin

- Gene Information -
Information in yellow represents specific gene information and does not necessarily represent specific product details. For more information please contact sales@genwaybio.com.

Gene Name: LCN2
Gene Name Synonym: HNL; NGAL
Gi #: N/A
NCBI Acc #: NP_005555.2
Swiss Prot Acc #: P80188
Length (aa): N/A
Mol. Weight (Da): 22588
Chrom Location: N/A

Source/Host: E Coli
Purity/Purification: Single band on Western blot.
Format: Liquid.
Supplied in 1x Laemmli Buffer (25mM Tris-HCl pH6.8,50mM DTT, 1%(w/v) SDS, 0.1%(w/v) Bromophenol Blue,2.5% Glycerol).
Shipping: Products may be shipped on ice pack or dry ice.

TESTING: (secondary reagents and protocols)
Not Available

LCN2 PROTEIN TARGET DESCRIPTION:

Synonym Names for LCN2 protein: LCN2; HNL; NGAL; NGAL; p25; 25 kDa alpha-2-microglobulin-related subunit of MMP-9; Lipocalin-2; Oncogene 24p3; Neutrophil gelatinase-associated lipocalin

The lipocalins are a family of around 25 proteins(including a1-microglobulin and b-lactoglobulin), which are characterized by their ability to bind small lipophilic substances in their hydrophobic core. They thereby serve as transporters of substances like retinal,biliverdins & prostaglandins. There are indications thatNGAL is involved in modulation of the inflammatoryresponse and is found in the plasma of patients afterstroke. RANDOX recombinant human NGAL is expressed in E.coli with an amino-terminal hexahistidine tag. This product is for research use only and is not intended for diagnostic or therapeuetic use.

Function: Transport of small lipophilic substances (Potential).

Subunit: Forms a covalently linked, disulfide-bridged heterodimer with the 92 kDa type V collagenase (MMP-9).

Subcellular Location: Secreted.

Tissue Specificity: Expressed in bone marrow and in tissues that are prone to exposure to microorganism. High expression is found in bone marrow as well as in uterus, prostate, salivary gland, stomach, appendix, colon, trachea and lungs. Not found in the small intestine or peripheral blood leukocytes.
**Similarity:** Belongs to the calycin superfamily. Lipocalin family.

**OMIM:** 600181; gene. [NCBI / EBI]

### BACKGROUND REFERENCES for LCN2 PROTEIN:

Background references for antibody target are not specific to GenWay products


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**Order Confirmation:** Sales order confirmations are sent out upon the receipt of all orders. Please contact GenWay if you do not receive a confirmation within 1 business day of submitting your order.

**Precautions:** LCN2 protein is for in vitro research use only. Not for use in diagnostics or therapeutic procedures.

**Important Notes:** During shipment, small volumes of LCN2 protein vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container’s cap. Actual concentration, volume and quantity will be printed on the vial’s label. Please refer to the vials label for this information.

**Copyright:** This GenWay TDS is copyrighted. This datasheet is produced based partially on data from SwissProt/TrEMBL and NCBI. To better serve our clients with everything we know about LCN2 protein, all related information, articles, resources about LCN2 protein are being stored on our online database. Let us know if you have questions regarding this product.

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