

Active Recombinant Murine Lipocalin 2, GFP-tagged

Cat. No. Lcn2-2739M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant murine NGAL (p25, SV-40-induced 24P3 protein, Lipocalin-2) is with a N-terminal GFP tag (Green fluorescent protein from <i>Aequorea victoria</i>). The expressed gene has been obtained merging the DNA codifying the GFP mutant at the N-term and the DNA of murine NGAL at C-term. The two proteins are connected by the linker GSAGSAAGAGAF. It is expressed in <i>E. coli</i> .
Species	Mouse
Source	E.coli
Description	Lipocalin-2 also called Neutrophil Gelatinase Associated Lipocalin (NGAL) belongs to a family of lipocans which include 25 proteins (including α 1-microglobulin and β -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 that NGAL is involved in modulation of the inflammatory response and is found in the plasma of patients after stroke.
Purity	> 95% by SDS-PAGE. Molecular weight > 45 kDa.
Activity	Highly fluorescent GFP mutant (S65G, S72A) is a emits green light (emission maximum at 511 nm) when excited at 488 nm.
Usage	NGAL GFP tagged Green Fluorescent Protein (GFP) is widely used as a fluorescent indicator for monitoring gene expression and protein ocalization in vivo.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage

-20°C. The protein is stable at 4°C for at least 2 weeks and at 25°C for at least several hours. After initial defrost, aliquot product into individual tubes and refreeze at -20°C. Avoid repeated freeze/thaw cycles.

GENE INFORMATION
Gene Name

Lcn2 lipocalin 2 [*Mus musculus*]

Synonyms

Lcn2; lipocalin 2; 24p3; Sip24; AW212229; OTTMUSP00000013951; secreted inducible protein 24; NGAL

Gene ID

16819

mRNA Refseq

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Protein Refseq

NP_032517

UniProt ID

P11672

**Chromosome
Location**

2 27.0 cM

Function

binding; transporter activity

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