

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

32-18433: Human NGAL Protein, hFc Tag

Uniprot ID: P80188

Alternative Name: p25; 24p3; MSFI; LCN2

Description

Description: Recombinant human NGAL Protein with C-terminal human Fc tag

Background: 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 ironcontaining 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.

Molecular Characterization: mass of 46.7 kDa after removal of the signal peptide. The apparent molecular mass of NGAL-hFc is approximately 35-55 kDa due to glycosylation.

Tag: C-Human Fc tag

Product Info

Amount: $50 \mu g / 100 \mu g$

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue Purification:

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before Content:

lyophilization.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for Storage condition:

use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized

proteins are shipped at ambient temperature.

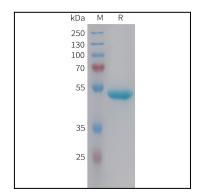


Figure 1. Human NGAL Protein, hFc Tag on SDS-PAGE under reducing condition.