PRODUCT INFORMATION

Target	NGAL
Synonyms	p25; 24p3; MSFI; LCN2
Description	Recombinant human NGAL Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P80188
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	NGAL(Gln21-Gly198) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular 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.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
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 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]
Usage	Research use only
Conjugate	Unconjugated

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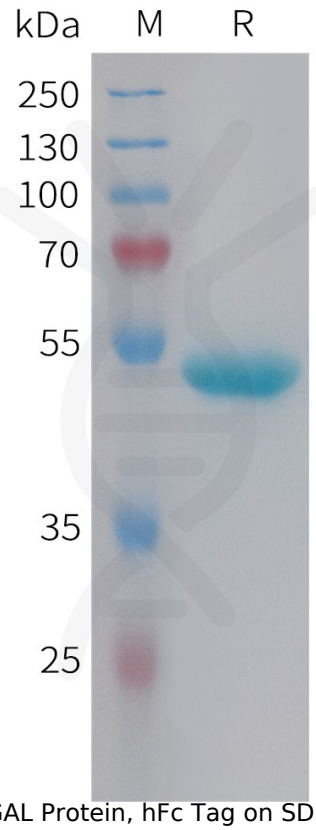


Figure 1. Human NGAL Protein, hFc Tag on SDS-PAGE under reducing condition.

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