

Lipocalin-2/NGAL Protein, Mouse (HEK293, His)

Cat. No.:	HY-P70658
Synonyms:	Neutrophil gelatinase-associated lipocalin; NGAL; Lipocalin-2; SV-40-induced 24P3 protein; Siderocalin LCN2; p25; LCN2
Species:	Mouse
Source:	HEK293
Accession:	P11672 (Q21-N200)
Gene ID:	16819
Molecular Weight:	20-28 kDa

PROPERTIES

AA Sequence	<p> Q D S T Q N L I P A P S L L T V P L Q P D F R S D Q F R G R W Y V V G L A G N A V Q K K T E G S F T M Y S T I Y E L Q E N N S Y N V T S I L V R D Q D Q G C R Y W I R T F V P S S R A G Q F T L G N M H R Y P Q V Q S Y N V Q V A T T D Y N Q F A M V F F R K T S E N K Q Y F K I T L Y G R T K E L S P E L K E R F T R F A K S L G L K D D N I I F S V P T D Q C I D N </p>
Biological Activity	Data is not available.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Histidine-HCl, 8% Trehalose, 2% Glycine, 50 mM NaCl, 0.05% Tween 80, pH 6.5.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	<p>NGAL is a 25 kDa protein belonging to the lipocalin superfamily, which is first known as an antibacterial factor of natural immunity, and an acute-phase protein.</p> <p>NGAL is initially found in activated neutrophils, and other cells, like kidney tubular cells, may produce NGAL in response to various insults. Lipocalin-2 (LCN2/NGAL) has been implicated in a variety of processes including cell differentiation, proliferation, survival, and morphogenesis. NGAL has anti-tumoral and anti-metastatic effects in neoplasias, for example,</p>
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the colon, ovary and pancreas^[1].

REFERENCES

[1]. Davide Bolignano, et al. Neutrophil gelatinase-associated lipocalin (NGAL) in human neoplasias: a new protein enters the scene. Cancer Lett. 2010 Feb 1;288(1):10-6.

Caution: Product has not been fully validated for medical applications. For research use only.

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