

Mouse NGAL/Lipocalin-2 Protein

Cat. No. NGL-MM201

Description

Source	Recombinant Mouse NGAL/Lipocalin-2 Protein is expressed from Expi293 with hFc tag at the C-terminal. It contains Gln21-Asn200.
Accession	P11672
Molecular Weight	The protein has a predicted MW of 47.5 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

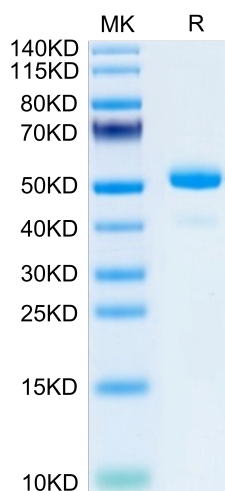
Formulation	Supplied as 0.22µm filtered solution in 50mM MES, 150mM NaCl (pH 6.5). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

Background

Acute kidney injury (AKI) is one of the most common complications of various serious conditions, and early diagnosis is therefore critical for the treatment of AKI. Recent evidence demonstrates that neutrophil gelatinase-associated lipocalin (NGAL) is closely associated with AKI. Several experimental and clinical studies have shown that the expression of urine and serum NGAL increases significantly in AKI. NGAL shows potential to be a new effective early biochemical marker of AKI. Further studies are needed to confirm the significant advantages of NGAL in the diagnosis of early AKI and its value in clinical applications.

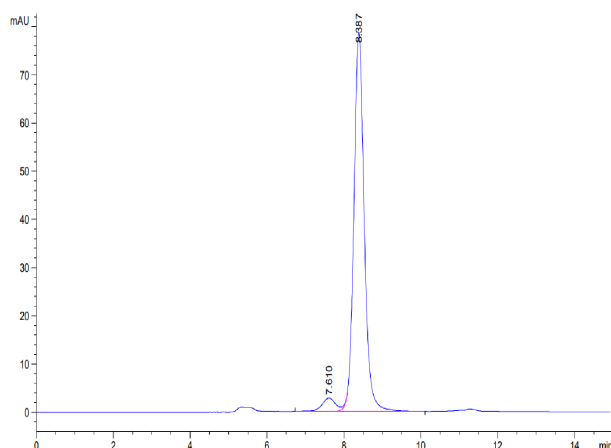
Assay Data

Tris-Bis PAGE



Mouse NGAL/Lipocalin-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Mouse NGAL/Lipocalin-2 is greater than 95% as determined by SEC-HPLC.