

Bioactive

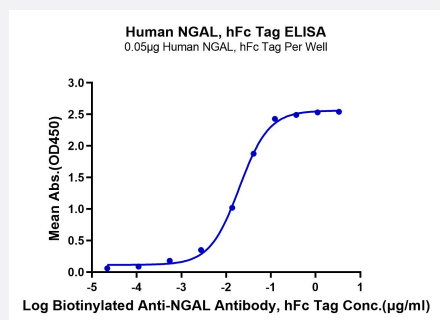
HuPro®

LCN2 (Human) Recombinant Protein

Catalog # P9854

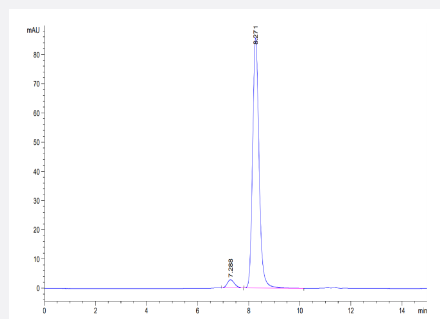
Size 100 ug

Applications



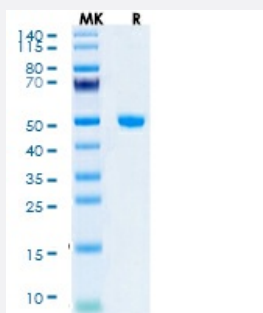
Enzyme-linked Immunoabsorbent Assay

Immobilized Human ngAL, hFc Tag at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Biotinylated Anti- ngAL Antibody, hFc Tag with the EC50 19.7 ng/mL determined by ELISA.



SEC-HPLC

The purity of Human NGAL is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human NGAL on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description

Human LCN2 (P80188-1, Gln21-Gly198) partial recombinant protein with hFc tag at C-Terminus expressed in HEK293 cells.

Sequence	Gln21-Gly198
Host	Human
Theoretical MW (kDa)	47.2
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC ₅₀ was 19.7 ng/mL, measured by ELISA at 0.5 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human NGAL is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human NGAL on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Enzyme-linked Immunoabsorbent Assay

Immobilized Human ngAL, hFc Tag at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Biotinylated Anti- ngAL Antibody, hFc Tag with the EC₅₀ 19.7 ng/mL determined by ELISA.

- Functional Study

- SDS-PAGE

Gene Info — LCN2

Entrez GeneID	3934
Protein Accession#	P80188-1
Gene Name	LCN2
Gene Alias	NGAL
Gene Description	lipocalin 2
Omim ID	600181
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000022238 OTTHUMP00000022240 neutrophil gelatinase-associated lipocalin oncogene 24p3 siderocalin

Disease

- [Abortion](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)