

Bioactive

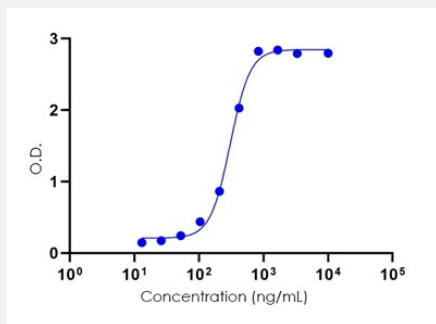
HuPro®

LAG3 (Human) Recombinant Protein

Catalog # P7573

Size 1 mg

Applications



Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description

Human LAG3 (P18627, 23 a.a. - 450 a.a.) partial recombinant protein with hFc tag at C-terminus expressed in HEK293 cell.

Sequence

LQPGAIEVPVWVAQEGAPALPCSTIPLQDLSLLRRAGVTWQHQPDSGPPAAAPGHPLAPGPH
PAAPSSWGP RPRRYTVLSVGPGLRSGRLPLQPRVQLDERGRQRGDFSLWLRPARRADAGEY
RAAVHLRDRALSCRLRLRLGQASMTASPPGSLRASDWILNCSFSRPDRPASVHWFRNRGQGR
VPVRESPHHHLAESFLFLPQVSPMDSGPWGCILTYRDGFNVSIMYNLTVLGLEPPTPLTVYAGAG
SRVGLPCRLPAGVGTRSF LTAKWTPPGGGPDLLVTGDNGDFTLRLEDVSQAQAGTYTCHHLQE
QQLNATVTLAITVTPKSFSGPSLGKLLCEVTPVSGQERFVWSSLDTPSQRSFSGPWLEAQEAQ
LLSQPWQCQLYQGERLLGAAYFTELSSPGAQRSGRAPGALPAGHL

Host

Mammals

Theoretical MW (kDa)

86

Form

Lyophilized

Preparation Method

Mammalian cell (HEK293) expression system

Purity

> 95% by SDS-PAGE

Endotoxin Level

< 1 EU per 1 ug of protein (determined by gel clotting method)

Activity	Immobilized FGL-1-His (LC13SE1012) at 2.0 ug/mL (100 uL/well) can bind LAG-3/CD223, hFc, Human with EC ₅₀ = 0.306 ug/mL when detected by Mouse Anti-Human IgG FC-HRP.
Storage Buffer	Lyophilized from sterile distilled Water up to 100 ug/mL
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — LAG3

Entrez GeneID	3902
Protein Accession#	P18627
Gene Name	LAG3
Gene Alias	CD223
Gene Description	lymphocyte-activation gene 3
Omim ID	153337
Gene Ontology	Hyperlink
Gene Summary	Lymphocyte-activation protein 3 belongs to Ig superfamily and contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. The sequence data, exon/intron organization, and chromosomal localization all indicate a close relationship of LAG3 to CD4. [provided by RefSeq]
Other Designations	lymphocyte-activation protein 3

Disease

- [Asthma](#)

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hepatitis C](#)
- [Immune System Diseases](#)
- [Multiple Sclerosis](#)
- [Occupational Diseases](#)