Recombinant human IFN-gamma R1/IFNGR1 protein

Catalog Number: ATGP3807

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
18-245aa

UniProt No.
P15260

NCBI Accession No.
NP_000407

Alternative Names
Interferon gamma receptor 1, IFNGR1, CD119, IFNGR, IMD27A, IMD27B, IFN-gamma receptor 1, CDw119, Interferon gamma receptor alpha-chain, IFN-gamma-R-alpha

PRODUCT SPECIFICATION

Molecular Weight
26.6 kDa (234aa)

Concentration
1mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
IFNGR1, also known as interferon gamma receptor 1, is a member of the hematopoietic cytokine receptor superfamily. It is a receptor that binds interferon-gamma, the sole member of interferon type II. It induces the rapid dimerization of chains, thereby forming a site that is recognized by the extracellular domain of IFNGR2. It is

Recombinant human IFN-gamma R1/IFNGR1 protein

Catalog Number: ATGP3807

expressed in a membrane-bound form in many cell types, and is over-expressed in tumour cells. Its signaling promotes autoimmune germinal centers via cell-intrinsic induction of BCL-6. It is crucial for host defence against mycobacterial infections. It is associated with susceptibility to pulmonary tuberculosis (TB). Recombinant human IFNGR1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

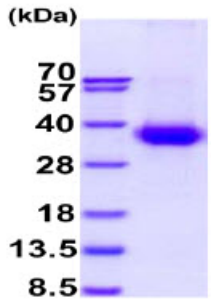
EMGTADLGPS SVPTPTNVTI ESYNMNPIVY WEYQIMPQVP VFTVEVKNYG VKNSEWIDAC INISHHYCNI SDHVGDPSNS LWVRVKARVG QKESAYAKSE EFAVCRDGKI GPPKLDIRKE EKQIMIDIFH PSVFVNGDEQ EVDYDPETTC YIRVYNVYVR MNGSEIQYKI LTQKEDDCDE IQCQLAIPVS SLNSQYCVSA EGVLHVWGVT TEKSKEVCIT IFNSSIKGHH HHHH

General References

Shamsi M., et al. (2016) Acta Microbiol Immunol Hung. 63:93-101.
Bach EA., et al. (1997) Annu Rev Immunol. 15:563-591.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.