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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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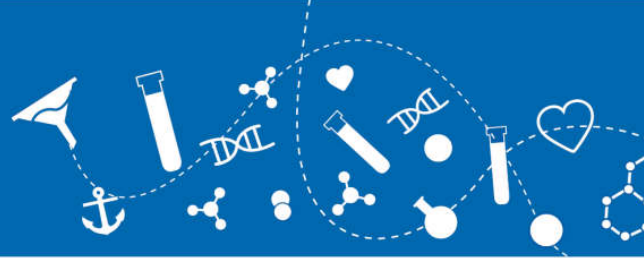
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Interferon Gamma-Inducible protein 30, His tag, human recombinant (rHuIFI30-His)

Catalog No: 97629
Lot No: XXXXX
Source: *E. coli*.
Synonyms: Interferon Gamma-Inducible Protein 30, Gamma-Interferon-Inducible Lysosomal Thiol Reductase, Interferon Gamma-Inducible Protein 30 Preproprotein, Gamma-Interferon-Inducible Protein IP-30, Legumaturain, GILT, IP30, IFI-30, MGC32056, EC 1.8

Background

gamma-interferon-inducible lysosomal thiol reductase (IFI30), is a part of the GILT family. IFI30 is a lysosomal thiol reductase which at low pH is capable of decreasing protein's disulfide bonds. IFI30 is expressed constitutively in antigen-presenting cells and induced by gamma-interferon in other cell types. Also, IFI30 plays an important role in MHC class II-restricted antigen processing. IFI30 facilitates the generation of MHC class II-restricted epitopes from disulfide bond-containing antigen by the endocytic reduction of disulfide bonds and Also facilitates MHC class I-restricted recognition of exogenous antigens containing disulfide bonds by CD8+ T-cells or cross-presentation.

Description

IFI30 Human Recombinant produced in *E. coli* is a single polypeptide chain containing 199 amino acids (58-232) and having a molecular mass of 22.5 kDa. IFI30 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless solution.

Formulation

The IFI30 solution (1 mg/ml) contains 20 mM Tris-HCl buffer (pH 8.0), 0.1 M NaCl, 1 mM DTT and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMNAPLVN VTLYYEALCG GCRAFLIREL FPTWLLVMEI LNVTLVPYGN AQEQNVSGRW
EFKCQHGEES CKFNKVEACV LDELDMELAF LTIVCMEEFE DMERSLPLCL QLYAPGLSPD TIMECAMGDR GMQLMHANAQ
RTDALQPPHE YVPWVTVNGK PLEDQTQLLT LVCQLYQ GK

Usage

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