

**IFI30, 58-232aa, Human, His tag, E.coli**

**Cat.NO.: TP02565**

3th Edition

**Synonyms:**Gamma-interferon-inducible lysosomal thiol reductase, GILT, IFI-30, IP30.

**Description:**IFI30, also as known as gamma-interferon-inducible lysosomal thiol reductase, belongs to the GILT family. This protein is a lysosomal thiol reductase that at low pH can reduce protein disulfide bonds. The enzyme is expressed constitutively in antigen-presenting cells and induced by gamma-interferon in other cell types. This enzyme has an important role in MHC class II-restricted antigen processing.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

**Molecular Weight:**22.5 kDa (199aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMNAPLVNVTLYYEALCGGCRAFLIRELFPTWLLVMEILNVTLPYGNAAEQN  
VSGRWEFKCQHGEEECKFNKVEACVLDELDMELAFITVCMEEFEDMERSLPLCLQLYAPGLSPDIMECAMGDR  
GMQLMHANAQRDQALQPPHEYVPWVTVNGKPLEDQTQLLTLCQLYQGGK

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.