

# PRODUCT DATA SHEET



Bioworld Technology, Inc.

## Recombinant IFN- $\gamma$ R II, Human

Catalog Number: BK0222-50 $\mu$ g

Source: CHO

Quantity: 50 $\mu$ g

### Description:

IFN-gamma Receptor II, also known as IFNGR2 and IFNGT1, is a transmembrane protein belonging to the type II cytokine receptor family. IFNGR2 is a non-ligand-binding beta chain of the IFN-gamma receptor. It is an integral part of the IFN-gamma signaling transduction pathway and is likely to interact with GAF, JAK1 and JAK2. Defects in IFNGR2 are a cause of autosomal recessive Mendelian susceptibility to mycobacterial disease (MSMD), also known as familial disseminated atypical mycobacterial infection.

### Molecular Weight:

38-40 kDa, observed by reducing SDS-PAGE.

### Purity:

> 95% as analyzed by SDS-PAGE.

### Biological Activity:

ED50 < 0.1  $\mu$ g/ml, measured in a cell cytotoxicity assay using HT-29 (HTB-38) cells in the presence of 1ng/ml human IFN-gamma.

### Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation:

Lyophilized after extensive dialysis against PBS.

### AA Sequence:

SQLPAPQHPKIRLYNAEQVLSWEPVALS-  
NSTRPVVYQVQFKYTDSKWFTADIMSIGVNCTQI  
TATECDFTAASPSAGFPMDFNVTLRLRAEL-  
GALHSAWVTMPWFQHYRNVTGPPENIEV-  
TPGEGSLIIRFSSPFDIADTSTAFFCYVHY-  
WEKGGIQQVKGPFRRSNSISLD-  
NLKPSRVYCLQVQAQLLWNK-  
SNIFRVGHLSNISCYETMADASTELQQ

### Endotoxin:

< 0.2 EU/ $\mu$ g, determined by LAL method.

### Reconstitution:

Reconstituted in ddH<sub>2</sub>O or PBS at 100  $\mu$ g/ml.

### Storage:

Lyophilized recombinant Human IFN-gamma Receptor II remains stable up to 6 months at -80  $^{\circ}$ C from date of receipt. Upon reconstitution, Human IFN-gamma Receptor II should be stable up to 1 week at 4  $^{\circ}$ C or up to 2 months at -20  $^{\circ}$ C.

### Usage:

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