

## Product datasheet for PH300674

### IFNGR2 (NM\_005534) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	IFNGR2 MS Standard C13 and N15-labeled recombinant protein (NP_005525)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200674
Predicted MW:	37.81 kDa
Protein Sequence:	>RC200674 representing NM_005534 Red=Cloning site Green=Tags(s)  MRPTLLWSLLLLLVFAAAAAAPPDPLSQLPAPQHPKIRLYNAEQVLSWEPVALSNSTRPVVYQVQFKYT DSKWFTADIMSIGVNCTQITATECDFTAASPSAGFPMDFNVTLRLRAELGALHSAWVTMPWFQHYRNVTV GPPENIEVTPGEGSLIIRFSSPFDIADTSTAFFCYVHYWEKGGIQQVKGPFRSNSISLDNLKPSRVYCL QVQAQLLWNKSNIFRVGHLNISCYETMADASTELQQVILISVGTFSLLSVLAGACFFLVLYRGLIKYW FHTPPSIPLQIEEYLKDPTQPILEALDKDSSPKDDVWDSVSIISFPEKEQEDVLQTL  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_005525</a></u>
RefSeq Size:	2219
RefSeq ORF:	1011
Synonyms:	AF-1; IFGR2; IFNGT1; IMD28
Locus ID:	3460



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UniProt ID: [P38484](#), [A8K881](#)

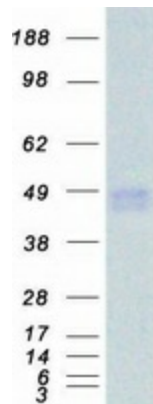
Cytogenetics: 21q22.11

**Summary:** This gene (IFNGR2) encodes the non-ligand-binding beta chain of the gamma interferon receptor. Human interferon-gamma receptor is a heterodimer of IFNGR1 and IFNGR2. Defects in IFNGR2 are a cause of mendelian susceptibility to mycobacterial disease (MSMD), also known as familial disseminated atypical mycobacterial infection. MSMD is a genetically heterogeneous disease with autosomal recessive, autosomal dominant or X-linked inheritance. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway, Natural killer cell mediated cytotoxicity

### Product images:



Coomassie blue staining of purified IFNGR2 protein (Cat# [TP300674]). The protein was produced from HEK293T cells transfected with IFNGR2 cDNA clone (Cat# [RC200674]) using MegaTran 2.0 (Cat# [TT210002]).