

Product datasheet

Recombinant Human IFNGR1 protein (His tag)  
ab235874

1 Image

Description	
Product name	Recombinant Human IFNGR1 protein (His tag)
Purity	> 90 % SDS-PAGE. ab235874 was expressed in insect cell and affinity purified.
Endotoxin level	< 1.000 Eu/µl
Expression system	Baculovirus infected insect cells
Accession	<b><u>P15260</u></b>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	EMGTADLGPSSVPTPTNVTIESYNMNPVYWEYQIMPQVP VFTVEVKNYG VKNSEWIDACINISHHYCNISDHVGDPSNSLWVRVKARVG QKESAYAKSE EFAVCRDGGKIGPPKLDIRKEEKQIMIDIFHPSVFNNGDEQE VDYDPETTC YIRVYNVYVRMNGSEIQYKILTQKEDDCDEIQCQLAIPVSSL NSQYCVSA EGVLHWGVTTEKSKEVCITIFNSSIKGHHHHHH
Predicted molecular weight	27 kDa including tags
Amino acids	18 to 245
Tags	His tag C-Terminus
Additional sequence information	Extracellular domain. NP_000407.

Specifications	
Our <b>Abpromise guarantee</b> covers the use of <b>ab235874</b> in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	SDS-PAGE
Form	Liquid

## Preparation and Storage

### Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.40

Constituents: PBS, 10% Glycerol (glycerin, glycerine)

## General Info

### Function

Receptor for interferon gamma. Two receptors bind one interferon gamma dimer.

### Involvement in disease

Defects in IFNGR1 are a cause of mendelian susceptibility to mycobacterial disease (MSMD) [MIM:209950]; also known as familial disseminated atypical mycobacterial infection. This rare condition confers predisposition to illness caused by moderately virulent mycobacterial species, such as *Bacillus Calmette-Guerin* (BCG) vaccine and environmental non-tuberculous mycobacteria, and by the more virulent *Mycobacterium tuberculosis*. Other microorganisms rarely cause severe clinical disease in individuals with susceptibility to mycobacterial infections, with the exception of *Salmonella* which infects less than 50% of these individuals. The pathogenic mechanism underlying MSMD is the impairment of interferon-gamma mediated immunity whose severity determines the clinical outcome. Some patients die of overwhelming mycobacterial disease with lepromatous-like lesions in early childhood, whereas others develop, later in life, disseminated but curable infections with tuberculoid granulomas. MSMD is a genetically heterogeneous disease with autosomal recessive, autosomal dominant or X-linked inheritance.

### Sequence similarities

Belongs to the type II cytokine receptor family.

Contains 2 fibronectin type-III domains.

Contains 2 Ig-like C2-type (immunoglobulin-like) domains.

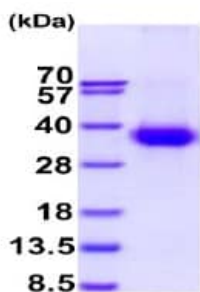
### Post-translational modifications

Phosphorylated at Ser/Thr residues.

### Cellular localization

Membrane.

## Images



15% SDS-PAGE analysis of 3 µg ab235874.

SDS-PAGE - Recombinant Human IFNGR1 protein  
(His tag) (ab235874)

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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