

Product datasheet for **RG205877**

IFI30 (NM_006332) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | IFI30 (NM_006332) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | IFI30 |
| Synonyms: | GILT; IFI-30; IP-30; IP30 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG205877 representing NM_006332 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCCTGTCGCCACTTCTGCTGTTCTGCCACCGCTGCTGCTGCTGGACGTCCCCACGGCGGCGG
TGCAGGCGTCCCCTCTGCAAGCGTTAGACTTCTTTGGGAATGGGCCACCAGTTAACTACAAGACAGGCAA
TCTATACCTGCGGGGCCCTGAAGAAGTCCAATGCACCGCTTGTCAATGTGACCCTCTACTATGAAGCA
CTGTGCGGTGGCTGCCGAGCCTTCTGATCCGGGAGCTTCCCAACATGGCTGTTGGTCATGGAGATCC
TCAATGTCACGCTGGTGCCTACGAAAACGCACAGGAACAAAATGTCAGTGGCAGGTGGGAGTTCAAGT
CCAGCATGGAGAAGAGGAGTCAAATTCACAAGTGGAGGCCTGCGTGTGGATGAACTTGACATGGAG
CTAGCCTTCTGACCATTTGTCTGCATGGAAGAGTTTGGAGACATGGAGAGAAGTCTGCCACTATGCCTGC
AGCTCTACGCCCCAGGGCTGTCGCCAGACACTATCATGGAGTGTGCAATGGGGACCGCGGCATGCAGCT
CATGCACGCCAACGCCAGCGGACAGATGCTCTCCAGCCACCACAGGATATGTGCCCTGGGTCACCGTC
AATGGGAAACCTTGGAAGATCAGACCCAGCTCCTTACCCTTGTCTGCCAGTTGTACCAGGGCAAGAAGC
CGGATGTCTGCCCTTCTCAACCAGCTCCCTCAGGAGTGTTCCTCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205877 representing NM_006332
Red=Cloning site Green=Tags(s)

MTLSPLLLFLPPLLLLLDVPTAAVQASPLQALDFFGNGPPVNYKTGNLYLRGPKKSNAPLVNVTLYYEA
 LCGGCRAFLIRELFPTWLLVMEILNVTLPYGNAQEQNVSGRWEFKCQHGEEECKFNKVEACVLDELDME
 LAFLTIVCMEEFEDMERSLPLCLQLYAPGLSPDTIMECAMGDRGMQLMHANAQRTDALQPPHEYVPWVTV
 NGKPLEDQTQLLTLVCQLYQGKKPDVCPSSSTSSLSRVCFK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006332

ORF Size: 750 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_006332.5](#)

RefSeq Size: 1051 bp

RefSeq ORF: 753 bp

Locus ID: 10437

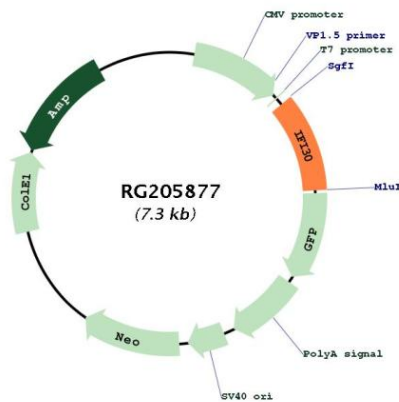
UniProt ID: [P13284](#)

Cytogenetics: 19p13.11

Protein Pathways: Antigen processing and presentation

Gene Summary: The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG205877