

Product datasheet for **MG223925**

Il1f10 (NM_153077) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Il1f10 (NM_153077) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Il1f10
Synonyms: MGC130267; MGC130268
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223925 representing NM_153077
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGCTCCCTTCCCATGGCAAGATACTACATAATCAAGGATGCACATCAAAGGCTTTGTACACACGGA
ATGGCCAGCTCCTGCTGGGAGACCCTGATTCAGACAATTATAGTCCAGAGAAGGTCTGTATCCTTCTAA
CCGAGGCCCTAGACCGCTCAAGGTCCCCATCTTCTGGGGATGCAGGGAGGAAGTTGCTGCCTGGCGTGT
GTAAGACAAGAGAGGGACCTCTCCTGCAGCTGGAGGATGTGAACATCGAGGACCTATACAAGGGAGGTG
AACAAACCACCCGTTTCACCTTTTTCCAGAGAAGCTTGGGATCTGCCTTCAGGCTTGAGGCTGCTGCCTG
CCCTGGCTGGTTTCTCTGTGGCCAGCTGAGCCCCAGCAGCCAGTGCAGCTCACCAAGAGAGTGAACCC
TCCACCCATACTGAATTCTACTTTGAGATGAGTCGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG223925 representing NM_153077
Red=Cloning site Green=Tags(s)

MCSLPMARYYIIKDAHQKALYTRNGQLLLGDPDSNYSPEKVCILPNRGLDRSKVPIFLGMQGGSCCLAC
VKTREGPLLQLEDVNIEDLYKGGEQTRFTFFQRLSLGSAFRLEAAACPGWFLCGPAEPQQPVQLTKESSEP
STHTEFYFEMSR

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

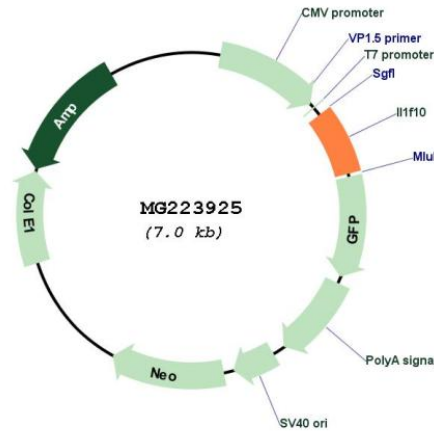


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Cloning Scheme:



Plasmid Map:



ACCN: NM_153077

ORF Size: 456 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:	<ol style="list-style-type: none">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:	<u>NM_153077.2, NP_694717.1</u>
RefSeq Size:	538 bp
RefSeq ORF:	459 bp
Locus ID:	215274
UniProt ID:	<u>Q8R459</u>
Cytogenetics:	2 16.32 cM
Gene Summary:	Cytokine with immunomodulatory activity. Alone, does not induce cytokine production, but reduces IL22 and IL17A production by T-cells in response to heat-killed <i>Candida albicans</i> . Reduces IL36G-induced production of IL8 by peripheral blood mononuclear cells. Increases IL6 production by dendritic cells stimulated by bacterial lipopolysaccharides (LPS). Ligand for IL-36R/IL1RL2 (By similarity).[UniProtKB/Swiss-Prot Function]