

Product datasheet for **RG230332**

IGSF10 (NM_001178146) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGSF10 (NM_001178146) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IGSF10
Synonyms:	CMF608
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG230332 representing NM_001178146
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGGGGATGATCTGATGACTGATGCATGTTAGCCTAAGACTGAAACCTGCCAAAATTGACCACAAGCAGT
 ATTTTAGAAAGCAAGTGCTCCATGGGAAAGATTTCCAAGTAGATTGCAAAGCTTCCGGCTCCCCAGTGCC
 AGAGATATCTTGAGTTTGCCTGATGGAACCATGATCAACAATGCAATGCAAGCCGATGACAGTGCCAC
 AGGACTAGGAGATATACCTTTTCAACAATGGAACCTTTATACTTCAACAAAGTTGGGGTAGCGGAGGAAG
 GAGATTATACTTGCTATGCCCAGAACACCTAGGGAAAGATGAAATGAAGGTCCACTTAACAGTTATAAC
 AGCTGCTCCCGGATAAGGCAGAGTAACAAAACCAACAAGAGAATCAAAGCTGGAGACACAGCTGTCCTT
 GACTGTGAGGTCACTGGGGATCCAAACCAAAAATATTTTGGTTGCTGCCTTCCAATGACATGATTTCT
 TCTCCATTGATAGGTACACATTTTCATGCCAATGGGTCTTTGACCATCAACAAAGTAACTGCTCGATT
 TGGAGAGTACGTATGTAGCCGAAATCCAGTGGGGATGACACCAAAATGTACAACTGGATGTGGTC
 TCTAAACCTCCATTAATCAATGGTCTGTATACAAACAGAACTGTTATTAAGCCACAGCTGTGAGACATT
 CCAAAAAACACTTTGACTGCAGAGCTGAAGGGACACCATCTCCTGAAGTCATGTGGATCATGCCAGACAA
 TATTTTCTCACAGCCCCATACTATGGAAGCAGAAATCACAGTCCATAAAATGGAACCTTGGAATTAGG
 AATGTGAGGCTTTCAGATTACGCCGACTTTATCTGTGTGGCCGAAATGAAGGTGGAGAGAGCGTGTGG
 TAGTACAGTTAGAAGTACTGGAATGCTGAGAAGACCGACATTTAGAAATCCATTTAATGAAAAATAGT
 TGCCAGCTGGGAAAGTCCACAGCATTGAATTGCTCTGTTGATGGTAACCCACCACCTGAAATAATCTGG
 ATTTTACCAAAATGGCACACGATTTTCCAATGGACCACAAAGTTATCAGTATCTGATAGCAAGCAATGGTT
 CTTTATCATTTCTAAACAACCTCGGAGGATGCAGGAAATATCGCTGTGCAGCTAGGAATAAGTTGG
 CTATATTGAGAAATTAGTCATATTAGAAATTGGCCAGAAGCCAGTTATTCTTACCTATGCACAGGGACA
 GTAAAAGGCATCAGTGGAGAATCTCTATCACTGCATTGTGTCTGATGGAATCCCTAAGCCAAATATCA
 AATGGACTATGCCAAGTGGTTATGTAGTAGACAGGCCTCAAATTAATGGGAAATACATATTGCATGACAA
 TGGCACCTTAGTCATTAAAGAAGCAACAGCTTATGACAGAGGAACTATATCTGTAAGGCTCAAAATAGT
 GTTGGTCATACACTGATTACTGTTCCAGTAATGATTGTAGCCTACCCTCCCCGAATTACAAATCGTCCAC
 CCAGGAGTATTGTCACCAGGACAGGGGAGCCTTTCAGTCCACTGTGTGGCCTTGGGAGTTCCCAAGCC
 AGAAATCATATGGGAGATGCCTGACCACTCCCTTCTCTCAACGGCAAGTAAAGAGAGGACACATGGAAGT
 GAGCAGCTTCACTTACAAGGTACCCTAGTCATTAGAATCCCCAACCTCCGATTCTGGGATATACAAAT
 GCACAGCAAAGAACCCTTGGTAGTGATTATGCAGCAACGTATATTCAAGTAATC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG230332 representing NM_001178146
 Red=Cloning site Green=Tags(s)

MGDDLILMHVSLRLKPAKIDHKQYFRKQVLHGKDFQVDCKASGSPVPEISWSLPDGTMINNAMQADDSGH
 RTRRYTLFNNGTLYFNKVGVAEEGDYTCYAQNTLGKDEMKVHLTVITAAPRIRQSNKTNKRIKAGDTAVL
 DCEVTGDPKPKIFWLLPSNDMISFSIDRYTFHANGSLTINKVKLLDSGEYVCVARNPSGDDTKMYKLDVV
 SKPPLINGLYTNRTVIKATAVRHSKKHFDCAEGTPSPEVMWIMPNDIFLTAPYYGSRITVHKNGTLEIR
 NVRLSDSADFICVARNEGGEVLVVQLEMLELRRPTFRNPFNEKIVAQLGKSTALNCSVDGNPPPEIIW
 ILPNGTRFSNGPQSYQYLIASNGSFIISKTTREDAGKYRCAARNKVGYIEKLVIIEIGQKPVILTYPGT
 VKGISGESLSLHCYSDGIPKPNIKWTMPSGYVVDPRQINGKYILHDNGTLVIKEATAYDRGNYICKAQNS
 VGHTLITVPMIVAYPPRITNRPPRSIVTRTGAAFLHCVLGVKPEITWEMPDHSLSTASKERTHGS
 EQLHLQGTLVIQNPQTSDSGIYKCTAKNPLGSDYAATYIQVI

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001178146

ORF Size: 1806 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_001178146.2](#)

RefSeq Size: 2671 bp

RefSeq ORF: 1809 bp

Locus ID: 285313

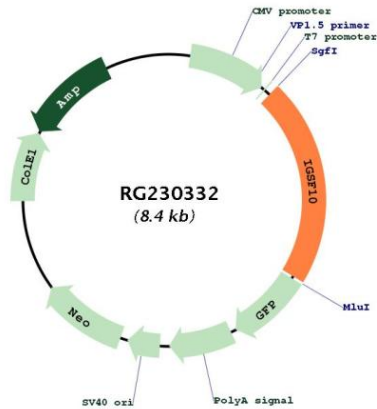
UniProt ID: [Q6WRI0](#)

Cytogenetics: 3q25.1

Protein Families: Druggable Genome, Transmembrane

Gene Summary: Involved in the control of early migration of neurons expressing gonadotropin-releasing hormone (GNRH neurons) (By similarity). May be involved in the maintenance of osteochondroprogenitor cells pool (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG230332