

Product datasheet for **SC328970**

IGSF10 (NM_001178146) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGSF10 (NM_001178146) Human Untagged Clone
Tag:	Tag Free
Symbol:	IGSF10
Synonyms:	CMF608
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC328970 representing NM_001178146.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGGGGATGATCTGATACTGATGCATGTTAGCCTAAGACTGAAACCTGCCAAAATTGACCACAAGCAG
TATTTTAGAAAGCAAGTGCTCCATGGGAAAGATTTCCAAGTAGATTGCAAAGCTTCCGGCTCCCCAGTG
CCAGAGATATCTTGGAGTTTGCCTGATGGAACCATGATCAACAATGCAATGCAAGCCGATGACAGTGGC
CACAGGACTAGGAGATATACCCTTTTCAACAATGGAACCTTTATACTTCAACAAAGTTGGGGTAGCGGAG
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ATTTCTTCTCCATTGATAGGTACACATTTTCATGCCAATGGGTCTTTGACCATCAACAAAGTGAACTG
CTCGATTCTGGAGAGTACGTATGTGTAGCCGAAATCCCAGTGGGGATGACACCAAAATGTACAACTG
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ATGCCAGACAATATTTTCTCACAGCCCATACTATGGAAGCAGAATCACAGTCCATAAAAATGGAACC
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GAGAGCGTGTTGGTAGTACAGTTAGAAGTACTGGAATGCTGAGAAGACCGACATTTAGAAATCCATTT
AATGAAAAATAGTTGCCAGCTGGGAAAGTCCACAGCATTGAATTGCTCTGTTGATGGTAACCCACCA
CCTGAAATAATCTGGATTTTACCAATGGCACACGATTTTCCAATGGACCACAAAGTTATCAGTATCTG
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GCTAGGAATAAAGTTGGCTATATTGAGAAATTAGTCATATTAGAAATTGGCCAGAAGCCAGTTATTTCT
ACCTATGCACCGAGGACAGTAAAGGCATCAGTGGAGAATCTCTATCACTGCATTGTGTCTGATGGA
ATCCCTAAGCCAAATATCAAATGGACTATGCCAAGTGGTTATGTAGTAGACAGGCCTCAAATTAATGGG
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ATCTGTAGGCTCAAAATAGTGTGGTCATACACTGATTACTGTTCCAGTAATGATTGTAGCCTACCCT
CCCCGAATTACAAATCGTCCACCCAGGAGTATTGTCACCGAGACAGGGGAGCCTTTGAGTCCACTGT
GTGGCCTTGGGAGTTCCCAAGCCAGAAATCACATGGGAGATGCCTGACCACTCCCTTCTCTCAACGGCA
AGTAAAGAGAGGACACATGGAAGTGAGCAGCTTCACTTACAAGGTACCCTAGTCATTGAGATCCCCAA
ACCTCCGATTCTGGGATATACAAATGCACAGCAAGAACCCTTGGTAGTGATTATGCAGCAACGTAT
ATTCAAGTAATCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001178146

Insert Size: 1809 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001178146.1</u>
RefSeq Size:	2671 bp
RefSeq ORF:	1809 bp
Locus ID:	285313
UniProt ID:	<u>Q6WRI0</u>
Cytogenetics:	3q25.1
Protein Families:	Druggable Genome, Transmembrane
MW:	66.7 kDa
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] Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (3) is shorter at the N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.