

Product datasheet for **RC230393**

IGSF10 (NM_001178145) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	IGSF10
Synonyms:	CMF608
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC230393 representing NM_001178145
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTGAAAGCGTAAGGCTTGAGAACAGCCCTGTGACCTAAGAGTGGGAGCTGGATCCACGTCTACC
 CTAATGGATCCCTGTTTATTGGATCAGTAACAGAAAAAGACAGTGGTGTCTACTTGTGTGTGGCAAGAAA
 CAAAATGGGGGATGATCTGATACTGATGCATGTTAGCCTAAGACTGAAACCTGCCAAAATTGACCACAAG
 CAGTATTTAGAAAGCAAGTGTCCATGGGAAAGATTCCAAGTAGATTGCAAAGCTCCGGCTCCCCAG
 TGCCAGAGATATCTGGAGTTTGCCTGATGGAACCATGATCAACAATGCAATGCAAGCCGATGACAGTGG
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 GAAGGAGATTATACTTGCTATGCCAGAACCCTAGGGAAAGATGAAATGAAGGTCCACTTAACAGTTA
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 CCTTGACTGTGAGGTCACTGGGGATCCAAACCAAAAATATTTGGTTGCTGCCTTCCAATGACATGATT
 TCCTTCTCATTGATAGGTACACATTTCAAGCAATGGGTCTTTGACCATCAACAAAGTGAAACTGCTCG
 ATTCTGGAGAGTACGTATGTGTAGCCCCGAAATCCAGTGGGGATGACACCAAAATGTACAACTGGATGT
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 ACAATGGCACCTTAGTCATTAAGAAGCAACAGCTTATGACAGAGGAACTATATCTGTAAGGCTCAAAA
 TAGTGTGGTCATACACTGATTACTGTTCCAGTAATGATTGTAGCCTACCCTCCCGAATTACAATCGT
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ACGCGTACGCGGCCGTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230393 representing NM_001178145
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MVESVRLNQPCDLRVGSWIHVYPNGSLFIGSVTEKDSGVYLCVARNKMGGDLILMHVSLRLKPAKIDHK
 QYFRKQVLHGKDFQVDCKASGSPVPEISWSLPDGTMINNAMQADDSGHRTRRYTLFNNGLTYFNKVGVAE
 EGDYTCYAQNTLGKDEMKVHLTVITAAPRIQSNKTNKRIKAGDTAVLDCEVTGDPKPKIFWLLPSNDMI
 SFSIDRYTFHANGSLTINKVKLLDSGEYVCVARNPSGDDTKMYKLDVVSPPPLINGLYTNRTVIKATAVR
 HSKKHDFDCRAEGTPSPEVMWIMPDNIFLTAPYYGSRITVHKNGTLEIRNVRLSDSADFICVARNEGGESV
 LVVQLEVLEMLRRPTFRNPFNEKIVAQLGKSTALNCSVDGNPPPEIIWILPNGTRFSNGPQSYQYLIASN
 GSFIIISKTTREDAGKYRCAARNKVGYIEKLVIIEIGQKPVILTYPGTVKGISGESLSLHCVSDGIPKPN
 IKWTMPSGYVDRPQINGKYILHDNGTLVIKEATAYDRGNVICKAQNSVGHTLITVPMIVAYPPRITNR
 PPRSIIVTRTGAAFLQHCVALGVPKPEITWEMPDHSLSTASKERTHGSEQLHLQGTTLVIQNPQTSDSGIY
 KCTAKNPLGSDYAATYIQVI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8071_d10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001178145

ORF Size: 1950 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).

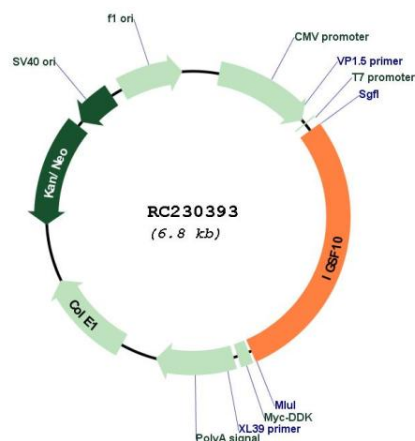
Reconstitution Method:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:	<u>NM_001178145.2</u>
RefSeq ORF:	1809 bp
Locus ID:	285313
UniProt ID:	<u>Q6WRI0</u>
Cytogenetics:	3q25.1
Protein Families:	Druggable Genome, Transmembrane
MW:	72.5 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]

Product images:



Circular map for RC230393