

Product datasheet for **MG223356**

Igsf1 (NM_177915) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Igsf1 (NM_177915) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Igsf1
Synonyms:	5330413N23; 5530402E03; AI747649; InhBP/p120; mKIAA0364
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223356 representing NM_177915 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGCTTCGGACCTTCACTCTTTTGCTCCTTTGCATTTGGCTCAATCCGGGTATGACTTCACTGGCAG
TGGAGTCTCAACCAGAGCTATGGATAGAGTCCAACCTACCCCGAGCCCTTGGGAGAACATCACACTCTG
GTGAAAAGCCCTCTCGGGTATCCAGCAAGTTCCTGCTTCTGAAGGATAACTCACAGATGACCTGGATT
CGTCTCCTTACAAGACATTCCAAGTTTCATTCTCATAGGTGCCCTTACTGAGTCCAATACAGGTCTTT
ATCGATGCTGCTACTGGAAGGAGAAAGGCTGGTCAAACCCAGTAAAATTCTAGAGCTAGAAGCACCAGG
CCAACCTCCCTAAACCCATCTTCTGGATCCAGGCAGAGACCCCTTCTTCTGGATGCAATGTTAACATC
TTCTGCCATGGATGGCTCCAGGATTTGGTATTTATGCTGTTTAAAGAGGGATACACAGAGCCCGTAGATT
ACCAAGTCCCAACTGGGACAATGGCCATCTTCTCCATTGATAACTTGGCACCCGAGAATGAAGGGGTTTA
CATCTGCCGCACTCATATCCAGATGCTCCCACTCTGTGGTCAGAGCCAGCAATCCCTGAAGTTGGTG
GTAGCAGGTGGGTGTGGCCACGGCTGCTGGCATCTGACAATTGTTATCCAGGGATCATGGCTGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223356 representing NM_177915
 Red=Cloning site Green=Tags(s)

MMLRTFTLLLLCIWLNPGMTSLAVESQPELWIESNYPQAPWENITLWCKSPSRVSSKFLLLKDNSQMTWI
 RPPYKTFQVSFFIGALTESNTGLYRCCYWKEKWSKPSKILELEAPGQLPKPIFWIQAETPLPGCNVNI
 FCHGWLQDLVFLMFKEGYTEPVDYQVPTGTMAIFSIDNLAPENEGVIICRTHIQMLPTLWSEPSNPLKLV
 VAGGCGHGCWHLTIVIPGIMAG

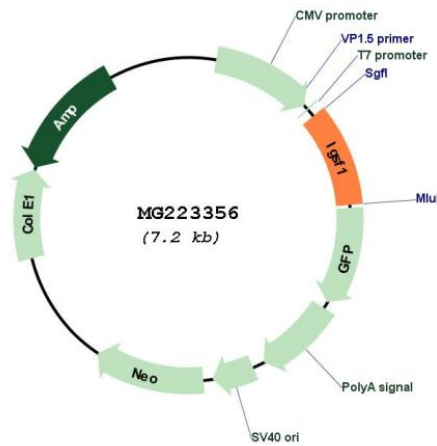
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_177915

ORF Size: 696 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:	NM_177915.4 , NP_808583.1
RefSeq Size:	1756 bp
RefSeq ORF:	699 bp
Locus ID:	209268
UniProt ID:	Q7TQA1
Cytogenetics:	X A5
Gene Summary:	Seems to be a coreceptor in inhibin signaling, but seems not to be a high-affinity inhibin receptor. Antagonizes activin A signaling in the presence or absence of inhibin B. Necessary to mediate a specific antagonistic effect of inhibin B on activin-stimulated transcription (By similarity).[UniProtKB/Swiss-Prot Function]