

Product datasheet for **MG207360**

Ints12 (NM_027927) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ints12 (NM_027927) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ints12
Synonyms:	1110020M19Rik; 2810027J24Rik; 4930529N21Rik; A230056J18Rik; A1666778; int12; Phf22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207360 representing NM_027927
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCTACTGTGAACCTGGAACCTGATCCATTTTTCTGAAAGCACTAGGTTTCTTACATTCAAAGA
 GTAAAGATTCTGCTGAAAAGCTAAAAGCGTTGCTTGATGAGTCTTTGGCTCGGGCATTGATTCCAGTTA
 CCGTCCAACCTCAAAGGATGTGGAACCACCCAAAATTTCAAGTACAAAATCACTTTCTATTAAGCAAGAG
 CCCAAAACATCATCTAGCCTCCCTTCCGGCAGTAGTAACGGCAAAGTCTCACAGCTGAGAAGATAAAGA
 AGGAGGCTGAGAAGAGACCTGCTGATAAGATGAAAGATGCTCACTGAAGGAATTGATGTTCCAAAGAAACC
 TAGACTGGAGAAGCCAGAGACACGATCCTCTCCATTACTGTCCAACCAGCAAGGATTTGAGTATGGCT
 GACCTCTCCAGCTTTGAGGAGACTAGTGTGATGACTTTGCCATGGAGATGGGGTGGCCTGTGTTGTTT
 GTAGACAAATGACCGTGGCATCTGGAACCAACTGGTAGAATGTCAAGAGTGCCATAACCTCTACCACCA
 AGACTGCCATAAGCCCCAGGTGACAGACAAAGAAGTGAATGACCCTCGCCTGGTGTGGTACTGTGCCGG
 TGCACTAGACAGATGAAGAGAATGGCTCAGAAAACCTCAGAAGCCACCACAGAAACCAGCGCCCACTGTTG
 TTTCTGTGACTCCAACCTGTCAAGGATCCATTAGTCAAGAAGCCAGAAACCAAACTTAAACAAGAGACAAC
 CTTCTAGCATTCAAGAGAACCGAAGTTAAGCCATCCACGGTTATTTAGGAAATTTCTTCTAGTAACAAC
 GTGTCCTCTTCACTAAGTGGCCTAACTGGATGGGCAGCTTTTGCAGCCAAAACCTTCTCAGCTGGTC
 CATCAACAGCAAAATGAATTCAGCAGCACAAAACAGTAGTGAAACCTGCTGCCTCATCTCTAACCA
 GAAGCCTGTGGGTTTACTGGTCTGGCAACATCATCCAAGGTGGAATAGGTTCCAAAATAGGTTCTGGT
 AACAGCACTAGCCCCTCTGTCCCCTTGAACCCGTTCCACCCTAACCTTAGGCAAGACTGGCCTGAGTC
 GCTCAGTGAGTTGTGATAACGTCAGCAAAGTGGGCTTCTCTAGTCTAGTAGTTTACTTCTGGAGGCAG
 CAGCCAATTGAGTGGGAATGGAATAGTGCTACAACGGGGCCAGTGGAAAGTACCACCAGCAAAGCCACA
 TCAGAGACCAGCAGCAGTACCTCAGCATCTCTAAAGGTCCAACCTCTCAAGAATCACAGCTCAACGCAA
 TGAAGCGATTACAGATGGTCAAGAAGAAAGCTGCCAAAAGAACTCAAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207360 representing NM_027927
 Red=Cloning site Green=Tags(s)

MAATVNLELDPIFLKALGFLHSHKSKDSAEKLLKALLDESLARGIDSSYRPTQKDVPEPKISSTKSLSIKQE
 PKTSSSLPSGSSNGKVLTAEKIKKEAEKRPADKMKDVTEGIDVPPKPRLEKPESTRSSPITVQTSKDL SMA
 DLSSFEETSADDFAMEMGLACVVCQMTVASGNQLVECQECHNL YHQDCHKPQVTDKEVNDPRLVWYCAR
 CTRQMKRMAQKTQKPPQKPAPT VVSVPTVKDPLVKKPETKLLKQETTFLAFKRTEVKPSTVISGNSSNN
 VSSSVTSGLTGWAAFAAKTSSAGPSTAKLNSAAQNSGKPAASSSNQKPVGLTGLATSSKGGIGSKIGSG
 NSTSPSVPLKPLPPLTLGKTGLSRVSCDNVSKVGLPSPSSLVPGSSQLSGNGNSATTGPSGSTTSKAT
 SETSSSTSASLKGPTSQESQLNAMKRLQMVKKAAQKLLK

TRTRPLE - GFP Tag - V

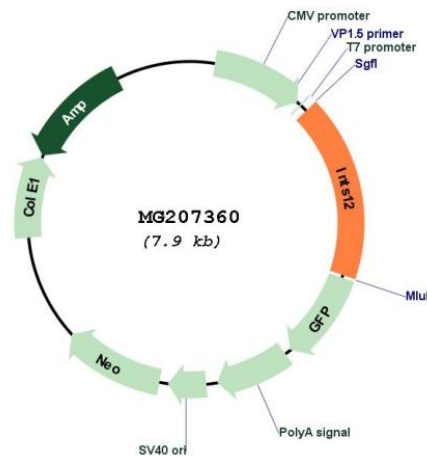
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_027927

ORF Size: 1383 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_027927.4
RefSeq Size:	3014 bp
RefSeq ORF:	1386 bp
Locus ID:	71793
UniProt ID:	Q9D168
Cytogenetics:	3 G3
Gene Summary:	Component of the Integrator complex, a complex involved in the small nuclear RNAs (snRNA) U1 and U2 transcription and in their 3'-box-dependent processing. The Integrator complex is associated with the C-terminal domain (CTD) of RNA polymerase II largest subunit (POLR2A) and is recruited to the U1 and U2 snRNAs genes. Mediates recruitment of cytoplasmic dynein to the nuclear envelope, probably as component of the INT complex.[UniProtKB/Swiss-Prot Function]