

Product datasheet for **MC213232**

Ift52 (NM_172150) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ift52 (NM_172150) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ift52
Synonyms:	BC037708; NGD5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC213232 representing NM_172150
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGAAGGAGCTGCGGAGTACCATTCTTTTCAATGCATACAAAAAGGAGGTGTTTACCACCAACTG
 GCTACAAATCTTTGCAGAAAAGACTTCGGAGTAATTGGAAGATTCAGAGCTTGAAAGATGAAATCACTTC
 TGAGAAGTTAATTGGGGTGAAACTATGGATCACAGCTGGACCAAGGGAAGTTTACTGCTGCTGAATTT
 GAAGTCCTGAAGAAGTATCTTGACAGTGGTGGGATATCCTTGTGATGCTGGGAGAAGGGGAGAATCCA
 GATTTGATACCAATATTAACCTTTCTTCTAGAGGAATACGGAATCATGGTTAATAATGATGCTGTGGTTAG
 AAACGTGTATTACAAGTACTTCCATCCTAAGGAAGCTCTGGTTTCAGACGGAGTGTGAACAGAGAAATT
 AGCCGAGCTGCAGGAAAGGCTGTGCCTGGAGTCATTGATGAAGAGAACAGTGGGAACAATGCCAGGCTC
 TCACCTTTGTCTACCCTTTTGGTGCCACATTGAGCGTCATGAAGCCAGCAGTGGCCGTGCTATCCACAGG
 CTCTGTCTGCTTCCCACTGAACAGACCCATTCTAGCTTTCTATCACTCAAAGAACCAAGTTTTGGAAAG
 CTGGCAGTGCTTGGTTCTGTGCATATGTTCACTGACCAATATTTAGATAAAGAAGAAAATAGCAAAATTA
 TGGATGTTGTGTTCCAGTGGCTTACAACAGGAGACATCCACCTCAACCAGATTGATGCTGAGGACCCAGA
 GATTTCCGACTACACGATGGTACCAGACACAGCCACCCTCTCAGAGCAGCTCCGAGTGTGTCTGCAGGAG
 GGCGATGAGAACCCCGTGACTTTACCACCCTCTTTGACCTGTCCATTTACCAGCTGGACACCACCTGCC
 TGCCCAAGGTCATCAAGGCTCACGAGGAATAATGTGAAACATGAACCACTTCAGCTCGTCCAACCTCA
 GTTTGAGATGCCGCTGCCAGCCCTTCAGCCTGCGGTCTTCCCTCCGAGTTTCCGGGAGTTGCCGCCCTC
 CCCCTGGAGCTGTTTGACCTAGATGAAACATTCTCCTCTGAGAAGGCGCGCTGGCTCAGATCACCACAA
 AGTGTACTGATGAAGACCTGGAATTCTATGTCAGGAAGTGTGGCGACATTCTTGAGTAACAAGCAAACT
 TCCAAAGGATCAACAGGATGCCAAACATATCCTTGAACACATCTTCTTCAAGTGGTGGAGTTCAAGAAA
 CTGAACCAGGAGGCCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_172150

Insert Size: 1281 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).

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_172150.4, NP_742162.2</u>
RefSeq Size:	2124 bp
RefSeq ORF:	1281 bp
Locus ID:	245866
UniProt ID:	<u>Q62559</u>
Cytogenetics:	2 H2
Gene Summary:	Involved in ciliogenesis as part of a complex involved in intraflagellar transport (IFT), the bi-directional movement of particles required for the assembly, maintenance and functioning of primary cilia (PubMed:19253336). Required for the anterograde transport of IFT88 (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.