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Product datasheet for MC224521

Ift140 (NM_134126) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ift140 (NM_134126) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ift140
Synonyms:	AI661311; mKIAA0590; Tce5; Wdtc2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224521 representing NM_134126 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCTCTGTATTTTGACCACCGAATCAAAGCTCCAGACACACCCAGCTCTCCCTCCCACATCACCTGGC ACCCCACCCACCCATTCCTGGCAGTCGCATCTATAAGCCCATCTTCTGGAGGCAACGTAGACATCTACCT TGAGCAAGGTGAGCCCGTGCCTGACACCCACATTGAGAGGTCTTTCCAGGCCACTTCACTGTGCTGGCAC CCAACAAGGCTTATCCTGGCTATTGGCTGGGAAACTGGAGAAGTGATAATGTTTAATAAGCAGGACAAGG AACAGCACACAGTGCCCCTGCCACATACGACTGACATTGCCATCCTCAGTTGGAGCACCAGTGGGAGCTG CCTGGTATCTGGAGATAAGCTTGGGGTCCTGCTCTTGTGGAGATTGGACCAGCGAGGCCGAGTACAGGGA ACACCACTCCTGAAACACGAATATGGGAAAGCACTCACCCATTGCATCTTCCGGCTCCCCCCTCCTGGGG AGGATCTGGTTCAGTTGGCAAAGGCAGCAGTAAGCGGGGATGAGAAAGCCCTGGACATGTTTAACTGGAG AAAAAGCAGCTTTGGAAGTTTCCTGAAGACGGGGTCTCAAGAGGGGCTGTCTTTCTTTGTCAGTCTCATG GATGGCACAGTGCACTATGTGGATGAAAAGGGCAAGACTGCCCAGGTGGCATCCACAGACAGCTCCATCC AGACCCTGTTCTACATTGAGAGGAGAGAGGCACTGGTTGTGGTCACAGAGAACCTTCTCCTGTCTCTGTA TGTGGTGACTCCTGAGGGAGAAGCTGAAGAAGTCATGAAGGTAAAGTTGAGTGGGAAGACAGGCTGCCGG GCAGATATCACTTTGATAGAGGGCAGCCTTCTGGTGACAGCTATTGGGGAGCCTGTGCTCAGGTTCTGGG ACTTAGAACGGGGAGAGAATTACATACTGAGTCTACAGGAGAAGTTTGGCTTTGAAAAGGGAGAGAGTAT AAACTGTGTGTGTTTCTGTAAAGCCAAAGGTCTCCTAGCAGCAGGTACCAATAAAGGACGAGTAGCTATG TGGAAAAAAGTGCCAAGCTTCCCAAATGGCCGTGGGGCGGAGGGCAAGGACATGTGGGCCCTTCAGACCC CTACTGAGCTTGAAGGGAACATCACACAGATAAAGTGGGGCTCCAGGAAGAACCTTCTGGCAGTGAGCAG CACCGAGTCTGTGTCCATCCTCAGTGAGCAAGCCATGTCGTCACACTTCCACCAGCAAGTAGCTGCCGTG CAGATCTCCCCGAGCCTAGTCAACGTGTCTTTCCTGTCCACGGGGGGCACACACAGCCTGCACACCGACA TGCACATCAGTGGAGTGTTCGCCACCAAGGATGCTGTGGCTGTCTGGAATGGAAAACAGGTGGCGATCTT TGAACCTTCAGGATCCACCTTAAGGAATGCAGGGACATTCCTGTGTGAAACATCAGTGCTAGCCATGCAT GAGGAAAGCATTTACACCGTGGAGCCAAACCGACTCCAAGTCCGGACCTGGCAGGGGACTGTCAAACAAC

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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_134126

Insert Size: 4395 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.
RefSeq:	NM_134126.3, NP_598887.3
RefSeq Size:	5814 bp
RefSeq ORF:	4395 bp
Locus ID:	106633
UniProt ID:	E9PY46
Cytogenetics:	17 A3.3
Gene Summary:	Component of the IFT complex A (IFT-A), a complex required for retrograde ciliary transport and entry into cilia of G protein-coupled receptors (GPCRs) (By similarity). Plays a pivotal role in proper development and function of ciliated cells through its role in ciliogenesis and/or cilium maintenance (PubMed:22282595). Required for the development and maintenance of the outer segments of rod and cone photoreceptor cells. Plays a role in maintenance and the delivery of opsin to the outer segment of photoreceptor cells (PubMed:24619649). [UniProtKB/Swiss-Prot Function]