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CCTTTAGCACAGGCTGCTGCAATCAGCCACAGCTCTTCTCTGCCACAGGTTATTGCCCTC
CATCGTAGTCAGGCCCAATCATCAGTCAGTTTGCAGCAAGGTTGGGTGCAAGGTGCTAAT
GGACTATGCTCTGTTGATCAGGGAGTGCAAGGTAGTGCAACATCTCAGTTTTACACCATG
TCTGAAAGACTTCATCCCAGTGATGATTCAATTAAGTCATTCTTTGACAACCTTCGCT
CCACGCCAACAGGCCAGACCGTCCAGAGGTGATCCCCCATTATGGAAACACATCCCTTG
TAA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032973 unedited <pre>CGCAAGATTTACGACCTACCTCAGGGCGGCCGCGAAACCAATATCCGATTAGAACAGAT CTATCACCAATCAACAGAGCGTCAATTATGCTAACATCTCATCTACTGATTTTAATCTAA AACAGTCTTTGTTAACATGCATGTTTAGGGTTGGCTTCTTAATAATTTCTTCTTCCTCTT CTCTCTCTCCTCTTCTTTGGTCAGTGTTGTGCGGGTTAATAACAACAACTGTCACAAGT GTTTGTGTGCCGGGACGTACATTTTCGCGGTCTGCTAGTATGCGTGGTGTCCACTCTG GCGCCCAGGAGAAAACTACACCATCCGAGAAGAAATTCAGAAAACGTCCTGATAGGCA ACTTGTTGAAAGACCTTAACCTTGCTGCTGATTCCAAACAAGTCCTTGACAACTACTATGC AGTTCAAGCTAGTGTAAGACCGGAGATGTGCCACTGATTGCAATTGAAGAGGATACTG GTGAGATCTTCACTACCGGCGCTCGCATTGATCGTGAGAAATTATGTGCTGGTATCCCAA GGGATGAGCATTGCTTTTATGAAGTGGAGGTTGCCATTTTGCCGGATGAAATATTTAGAC TGGTTAAGATACGTTTTCTGATAGAAGATATAAATGATAATGCACCATTGTTCCAGCAA CAGTTATCAACATATCAATTCAGAGAACTCGGCTATAAACTCTAAATATACTCTCCAG CGGCTGTTGATCCTGACGTAGCATAACGGAGTTCAAACTACGAACTAATTAAGAGTCAA AACATTTTGCCTCGATGTCATTGAAACACCAGACGAGACAGATGCACACTGATGTCAA GAGTAGATAGGGAGAGAGATACTATGTGATGAAGTAAAGTGAGATGGTGCTTCTCAAGAA T</pre>
Restriction Sites:	Please inquire
ACCN:	NM_032973
Insert Size:	7800 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).
OTI Annotation:	There is 2 nucleotide difference between the OriGene clone and the NCBI reference ORF. These result in the substitution of 2 aa.
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:	<u>NM_032973.1, NP_116755.1</u>
RefSeq Size:	9056 bp
RefSeq ORF:	4023 bp
Locus ID:	83259
UniProt ID:	<u>Q9BZA8</u>
Cytogenetics:	Yp11.2

Domains:	CA
Protein Families:	Transmembrane
Gene Summary:	This gene belongs to the protocadherin family, a subfamily of the cadherin superfamily. The encoded protein consists of an extracellular domain containing seven cadherin repeats, a transmembrane domain, and a cytoplasmic tail that differs from those of the classical cadherins. This gene is located on the Y chromosome in a block of X/Y homology and is very closely related to its paralog on the X chromosome. The protein is thought to play a role in cell-cell recognition during development of the central nervous system. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013] Transcript Variant: This variant (c, also known as Ty3) contains multiple differences in both UTRs and in the coding region, compared to variant a, including initiation of translation at an alternate start codon. The encoded isoform (c) is longer and has distinct N- and C- termini, compared to isoform a.