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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001270 unedited AGTACAACGCTCTTGAATCCTAACGTGAATTAGTAAATCTCTGATGTGGAAAGATTAAAA GAGAATACAAATCACGATGATAGCAGCAGGGACAGTTATTCCTCTGATAGACACTTAACT CAGTACCATGATCATATAAAGACCGACATCAGGGAGATTCTTACAAAAAAGTGATTCC AGGAAAAGACCCTATTCTTCTTTTAGTAATGGTAAAGACCATCGTGATTGGGATCACTAC AAGCAAGACAGCAGATATTACAGTGACAGAGAGAAACACAGAAAAGTGGATGATCACAGG AGTAGAGATCACAGGTCAAATTTGGAAGGAAGTTTAAAAGATAGATCTCATTCTGATCAT CGTTCTCACTCAGATCATCGGTTACATTACAGACCACCGGTCAAGTTCTGAATATACGCAC CATAAATCTTCCAGGGATTATAGGTACTCACTCAGACTGGCAAATGGACCACAGAGCTTCC AGCAGTGGCCCTAGGTCACCACTAGATCAGAGATCTTATGGCTCCAGATCTCCATTTGAA CATTAGTTGAACACAAAAGTACACCGGAGCATACCTGGAGTAGTCGGAAAACATAACAA AAACTGATACTTCGTCTTTCTGGACTTTTCTTTAGCCATATATATAAACCAACACAGT AATTGCCTTACATGACTTTGAAAGATATAAACAGATCTTCTATCAGTAGCAGTATTGTTA CTTCTTTCCAGGATGCAAGGTCTATTATCCCAACAGAAGAGAAAATTTTTATATTTAA GGATTATGCTGCACTGTACTACAAATTGTAGTACTTTTTTTGGTTTTCTTTTTAAAGA ATGGAAAATGTTTACTATTACAGGGACCTCACACTGCCCTCCCATACAGGCTGGATAAAA ACTGTTTTTTAAGTCAGTGATTTAGAAGTACCCTCCATTTT
Restriction Sites:	Please inquire
ACCN:	NM_001270
Insert Size:	7000 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:	The open reading frame of this TrueClone was fully sequenced and found to have a single amino acid difference from the protein associated to this reference.
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:	<u>NM_001270.2</u> , <u>NP_001261.2</u>
RefSeq Size:	6457 bp
RefSeq ORF:	5133 bp
Locus ID:	1105
UniProt ID:	<u>Q14646</u>
Cytogenetics:	5q15-q21.1

Domains: SNF2_N, CHROMO, DEAD, helicase_C

Protein Families: Druggable Genome

Gene Summary: The CHD family of proteins is characterized by the presence of chromo (chromatin organization modifier) domains and SNF2-related helicase/ATPase domains. CHD genes alter gene expression possibly by modification of chromatin structure thus altering access of the transcriptional apparatus to its chromosomal DNA template. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.