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Product datasheet for SC317965

TUB (NM_003320) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TUB (NM_003320) Human Untagged Clone
Tag:	Tag Free
Symbol:	TUB
Synonyms:	rd5; RDOB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>SC317965 representing NM_003320.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGGCCAGGACACCTTTGCCTTCTTTCTGGGTTTCTTTCTTTGCCGAGACAGGGATTTTGTTCCCA
GGAGGCACTCCCTGGCCCATGGGATCTCAGCATTCAAAGCAGCACAGGAAACCTGGGCCCCTGAAACGG
GGCCACCGAAGAGATCGGAGAACAACCAGGAGGAAGTACTGGAAGGAAGGAAGGGAGATCGCTCGTGTC
TTAGATGATGAGGGCAGAAACCTGAGGCAGCAGAAGCTTGATCGGCAGCGGGCCCTGCTGGAGCAGAAG
CAGAAGAAGAAGCGCCAGGAGCCCCTGATGGTGCAGGCCAATGCAGATGGGCGGCCCCGGAGCCGGCGG
GCCCGGCAGTCAGAGGAACAAGCCCCCCTGGTGGAGTCCTACCTCAGCAGCAGTGGCAGCACCAGCTAC
CAAGTTCAAGAGGCCGACTCACTCGCCAGTGTGCAGCTGGGAGCCACGCGCCCAACAGCACCAGCTTCA
GCCAAGAGAACCAAGGCGGCAGCTACAGCAGGGGGCCAGGGTGGCGCCGCTAGGAAGGAGAAGAAGGGA
AAGCACAAAGGCACCAGCGGGCCAGCAGCACTGGCAGAAGACAAGTCTGAGGCCCAAGGCCCAGTGCAG
ATTCTGACTGTGGGCCAGTCAGACCACGCCCAGGACGCAGGGGAGACGGCAGCTGGTGGGGGCGAACGG
CCCAGCGGGCAGGATCTCCGTGCCACGATGCAGAGGAAGGGCATCTCCAGCAGCATGAGCTTTGACGAG
GATGAGGAGGATGAGGAGGAGAATAGCTCCAGCTCCTCCCAGCTAAATAGTAACACCCGCCCCAGCTCT
GCTACTAGCAGGAAGTCCGTCAGGGAGGCAGCCTCAGCCCCTAGCCCAACAGCTCCAGAGCAACCAGTG
GACGTTGAGGTCCAGGATCTTGAGGAGTTTGCACTGAGGCCGGCCCCCCAGGGTATCACCATCAAATGC
CGCATCACTCGGGACAAGAAAGGGATGGACCGGGGCATGTACCCCACCTACTTTCTGCACCTGGACCGT
GAGGATGGGAAGAAGGTGTTCCTCCTGGCGGGAAGGAAGAGAAAGAAGAGTAAAACTTCCAATTACCTC
ATCTCTGTGGACCCAACAGACTTGTCTCGAGGAGGGGACAGCTATATCGGGAAACTGCGGTCCAACTTG
ATGGGCACCAAGTTCACTGTTTATGACAATGGAGTCAACCCTCAGAAGGCCTCATCCTCCACTTTGGAA
AGTGGAACCTTACGTCAGGAGCTGGCAGCTGTGTGCTACGAGACAAACGTCTTAGGCTTCAAGGGGCCT
CGGAAGATGAGCGTGATTGTCCCAGGCATGAACATGGTTCATGAGAGAGTCTCTATCCGCCCCCGCAAC
GAGCATGAGACACTGCTAGCACGCTGGCAGAATAAGAACACGGAGAGTATCATCGAGCTGCAAAACAAG
ACACCTGTCTGGAATGATGACACACAGTCCTATGTACTCAACTTCCATGGGCGCGTCACACAGGCCTCC
GTGAAGAACTTCCAGATCATCCATGGCAATGACCCGGACTACATCGTGATGCAGTTTGGCCGGGTAGCA
GAGGATGTGTTCACCATGGATTACAACTACCCGCTGTGTGCACTGCAGGCCTTTGCCATTGCCCTGTCC
AGCTTCGACAGCAAGCTGGCGTGCGAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_003320

Insert Size: 1686 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_003320.4
RefSeq Size:	6432 bp
RefSeq ORF:	1686 bp
Locus ID:	7275
UniProt ID:	P50607
Cytogenetics:	11p15.4
Domains:	Tub
MW:	62.1 kDa
Gene Summary:	This gene encodes a member of the Tubby family of bipartite transcription factors. The encoded protein may play a role in obesity and sensorineural degradation. The crystal structure has been determined for a similar protein in mouse, and it functions as a membrane-bound transcription regulator that translocates to the nucleus in response to phosphoinositide hydrolysis. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) represents the longer transcript, and encodes the longer isoform (a).