

Product datasheet for **MC221254**

Tbc1d25 (NM_172478) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Tbc1d25
Synonyms:	6330576A08Rik; DXHXS7927e; Oat1l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >MC221254 representing NM_172478
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCGACCTCCAGCCCAAGCCAGGTGGGAGGGCAGGGTCTACAGCACCTCTGCGCCTGCGCTCTGGTG
 CAAGGTGGGGCCGCGGCCCGCCGACTGTTGGGTGTACGTTAGGGTACGGGTAACATACGGTTATCACCT
 GGACAGAGACGACAGCGCGGGATGGCAACCACCTCCGCGGCTCGGACTCGGCGTGCTCGGCAGCGCCC
 CCGCCCGTCGGAGGTGCCAGCGCGCCGCGGGGTTGAGGAGGAGGAGCGTGAGGTGGTACGGGTCCGAG
 TCAAGAAATGTGAGAGCTTCTTGTCCTCTGAGTTCGCTCTTTGCGGTGGATCCTCAGATCACCTCGCT
 GGACGTGTTGCAGCACATCCTCATCCGAGCCTTTGACTTAAATGGGAAGAAGAACTTTGGCATCAGCTAC
 CTGGCTCGAGACCGGTAGGACAGGAACTTCTCTCCCTCCTTCTGATTGGGACCTCAGCACAGCTT
 TCGCCACTGCCTCAAACCTTATCTGCAGTTGCGTGTAGACATTCGGCCCTCAGAGGACAGCCCATTGCT
 GGAAGACTGGGACATAATTAGCCCCAAGATGTCATTGGATCTGATGTGCTACTGGCTGAGAAGCGATCA
 TCACTGACGACAGCTGCCTTGCTTTTACACAGTCCATCCTCTCTCAGGTGGGTGCTACACTGTCTAAGG
 TCCAGCAGGTGCTGAGTTGGTCTTATGGGGAAGATGTGAAGCCTTTTAAGCCCCCTGAGTGATGCTGA
 GTTCCACACGTACCTGAATCATGAAGGTACGCTCTCCGCGCTGAGGAGTTGCGTTTGAGGATCTACCAC
 GGCGGTGTGGAGCCTTCACTTCGAAAAGTAGTATGGCGGTACCTCCTTAATGTGTACCCAGATGGGCTGA
 CTGGCCGTGAGCGGATGGACTACATGAAACGTAAAGAGCCGAGAGTACGAGCAGCTCAAAAGTGAGTGGGC
 CCAGCGAGTGAACCCTGAGGACCTGGAATTCATCCGACGACAGTCTCAAGGATGTGCTCCGCACAGAC
 CGAGCCCATCCCTACTACGAGGCGCTGAGGATGGCCACACCTACGGGCGCTACACGACTTGCTCACCA
 CCTATGCCGTTACCCATCCACAGGTATCATACTGCCAGGGGATGAGTGACCTGGCCTACCAATTCTTGC
 TGTCATGGACCATGAAGGCCATGCCTTTGTATGCTTCTGTGGCATCATGAAGCGCTTAGCTGCCAACTTC
 CACCCTGATGGCCGTGCCATGGCCACCAAGTTTGGCCACCTCAAGCTGCTATTGAGACATGCTGACCCAG
 ACTTCTATCAGTACCTGCAAGAAGCAGGTGCCGATGACCTCTTTTCTGTTACCGCTGGCTGCTGCTGGA
 GCTCAAGCGTGAATTCGCTTCGATGATGCTCTCCGAATGCTAGAAGTACCTGGAGTTCACTGCCCCCT
 GACCTCCTGAACACGAAGTGGAGCTCGTCGGACCTCCAGCCAAGTAGCAGACACTGGCTTTGGTAGCC
 ACAGGGGACGGCCAGTACGTACAGGACACATGCTGAGGCTGCTGGTGGAGGAGGCGGTGCTTTGAAGA
 TGCTGTTGTCCACTTAGCTGCATCTAGCCAGGGACCTAGTGGTGGGGGCGTCTCCTAAGACAAGCCAGT
 CTGGATGGTCTCAACAACCTAGGGATAACATGGGCTCAGGAAGGACCATCTGGTCAACTATCCCACC
 CAGCTACCCTCATTAGCTCTAAGTCCCTCTCTGAGCCCTTGCTGAATTCCTCAGATCCACTCCTCTCCAC
 CTCTTCTCGGCCCCGATTCCCCATCTTCGTATCTCTCCATCTACCCAGGAGGCTTCTCCTTCTGGTGAC
 ATAGCTGTAGGATCCCCCTTAATGCAAGAGGTAGGTTCTCCAGAGACCTGGGAAGCCTGTACCACCTC
 CACCTCCAATGGGCCTTCCCCACCCAGGAGTTTGGCCGAGGGAACCATTCATGCTCTTCTCTGCTT
 GGCTATCCTGCTGGAGCATCGTGACCACATCATGCGCAATGGGCTGGATTACAATGAGCTAGCCATGCAT
 TTTGACCGCTGGTTCGTAACACCATCTAGGCGGTGCTTTCGCTAGGGCCAAAGCACTCTTTGCTGATT
 ACCTACAGTCTGAAGTGTGGGACTCTGAGGAGGGGCTGAGGCCACAGCTCCATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_172478

Insert Size: 2229 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:	NM_172478.3 , NP_766066.2
RefSeq Size:	2659 bp
RefSeq ORF:	2229 bp
Locus ID:	209815
UniProt ID:	A1A5B6
Cytogenetics:	X 3.69 cM
Gene Summary:	Acts as a GTPase-activating protein specific for RAB33B. Involved in the regulation of autophagosome maturation, the process in which autophagosomes fuse with endosomes and lysosomes.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and it encodes the longer protein (isoform 1).