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Product datasheet for RG238652

DTX4 (NM_001300727) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DTX4 (NM_001300727) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DTX4
Synonyms:	RNF155
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG238652 representing NM_001300727.
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAAGTGGGCATCACCATCCAGCATGCCTATGAGAAGCAGCACCCCTGGATCGACCTCACTTCCATT
GGCTTTAGCTACGTAATTGACTTCAACACCATGGGCCAGATCAACCGTCAGACCCAGCGCCAACGCCGC
GTCCGCCGGCGCCTCGACCTCATCTACCCCATGGTCACAGGGACCTTGCCTAAGGCTCAGTCCTGGCCA
GTCAGCCCTGGGCCAGCCACCTCGCCCCCCATGTCCCCCTGCTCCTGTCCCCAGTGTGTCTTGGTGATG
AGTGTTAAGGCAGCCGTGGTCAATGGCAGCACTGGGCCCCTACAGCTGCCAGTGACCCGCAAGAACATG
CCGCCTCCTGGAGTGGTCAAGCTACCCCCACTGCCAGGCTCTGGGGCCAAGCCACTGGACAGCACAGGC
ACCATTCGAGGCCCACTGAAGACCGCCCCATCGCAGGTGATCCGGAGACAAGCCTCCAGCATGCCCACT
GGGACAACCATGGGCTCTCCTGCCAGTCCCCCAGGACCCAACAGCAAGACCGGAAGGGTGGCCCTGGCC
ACCTTGAATCGTACCAACCTGCAGCGACTGGCCATTGCCCAGTCCCGGGTGCTGATCGCCTCTGGGGTC
CCCACAGTCCCAGTGAAGAACCTAAATGGGTCCAGTCCTGTCAACCCTGCCTTGGCAGGAATCACTGGG
ATCCTCATGAGTGCAGCGGGGCTGCCTGTGTGTCTCACCAGGCCACCAAAGCTGGTCCTACACCCACCC
CCCGTCAGCAAGAGTGAAATAAAATCCATCCCAGGGGTTTCCAACACAAGCCGCAAGACCACCAAAAAA
CAAGCCAAGAAAGGTAAAACCCCAGAGGAAGTGCTAAAAAAATATCTACAGAAAGTCCGGCACCCACCA
GATGAGGACTGCACCATCTGTATGGAACGCCTCACGGCCCCCTCAGGCTACAAGGGCCCGCAGCCTACG
GTAAAACCTGACCTGGTAGGGAAGCTGTCCAGATGCGGCCACGTCTACCACATCTACTGCTTGGTTGCC
ATGTACAACAATGGGAACAAGGATGGAAGTTTGCAGTGTCCAACCTGCAAGACCATTTATGGGGTGAAG
ACAGGCACCCAACCTCCAGGGAAGATGGAGTACCACCTCATCCCCCACTCCTTGCCTGGCCACCCAGAC
TGCAAAACCATCCGGATCATCTACAGCATCCCCCCCGGCATTCAGGGACCGGAACACCCGAATCCTGGG
AAGAGTTTCAGCGCCCGAGGCTTCCCACGACACTGTTACCTTCCGGACAGCGAGAAAGGGAGAAAAGTT
CTGAAGCTGCTGCTCGTGGCCTGGGATCGCCGCCTCATTTTTGCCATTGGCACCTCCAGCACCACAGGC
GAGTCAGACACCGTCATCTGGAATGAGGTCCACCACAAGACAGAGTTTGGCTCTAATCTCACTGGCCAT
GGCTACCCAGATGCCAATTACCTGGATAATGTGCTGGCTGAACTGGCTGCCCAGGGCATCTCTGAGGAC
AGCACTGCCCAGGAGAAGGAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

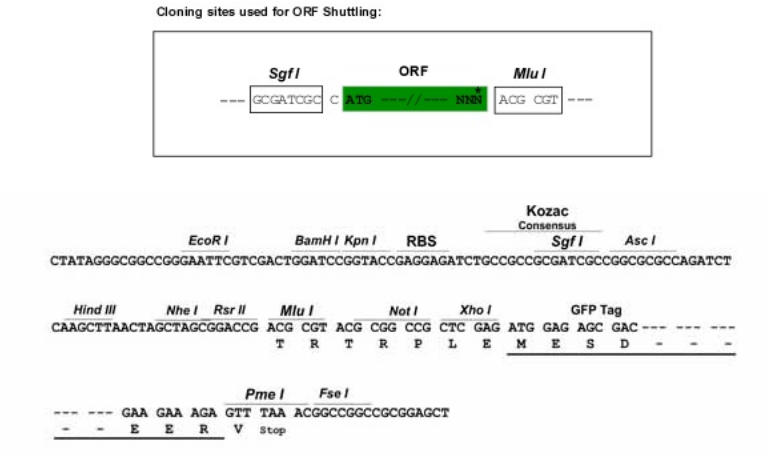
Protein Sequence:

>Peptide sequence encoded by RG238652
Blue=ORF Red=Cloning site Green=Tag(s)

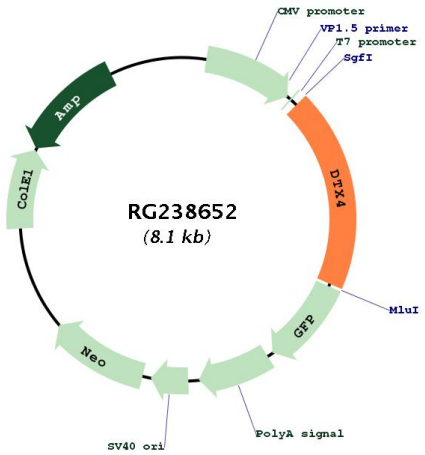
MEVGITIQHAYEKQHPWIDLTSIGFSYVIDFNTMGQINRQTQRQRRVRRRLDLIYPMVTGTLPKAQSWP
VSPGPATSPPMSPCSCPQCVLVMSVKAAVVNGSTGPLQLPVTRKNMPPPGVVKLPPLPGSGAKPLDSTG
TIRGPLKTAPSQVIRRQASSMPTGTTMGSPASPPGPNSKTGRVALATLNRTNLQRLAIAQSRVLIASGV
PTVPVKNLNGSSPVNPALAGITGILMSAAGLPVCLTRPPKLVLHPPPVSKSEIKSIPGVSNTSRKTTKK
QAKKGKTPEEVLKKYLQKVRHPPDEDCTICMERLTAPSGYKGPQPTVKPDLVGKLSRCGHVYHIYCLVA
MYNNGNKDGSLQCPTCKTIYGVKTGTQPPGKMEYHLIPHSLPGHPDCKTIRIIYSIPPGIQGPEHPNPG
KSFSARGFPRHCYLPDSEKGRKVLKLLLVAWDRRLIFAIGTSSTTGESDTVIWNEVHHKTEFGSNLTGH
GYPDANYLDNVLAELAAQGISEDSTAQEKD
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001300727
ORF Size:	1539 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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).
RefSeq:	NM_001300727.1, NP_001287656.1
RefSeq Size:	5386 bp
RefSeq ORF:	1542 bp
Locus ID:	23220
UniProt ID:	Q9Y2E6
Cytogenetics:	11q12.1
Protein Families:	Druggable Genome
Protein Pathways:	Notch signaling pathway
MW:	55.7 kDa
Gene Summary:	Regulator of Notch signaling, a signaling pathway involved in cell-cell communications that regulates a broad spectrum of cell-fate determinations (By similarity). Functions as a ubiquitin ligase protein in vivo, mediating 'Lys48'-linked polyubiquitination and promoting degradation of TBK1, targeting to TBK1 requires interaction with NLRP4.[UniProtKB/Swiss-Prot Function]