

Product datasheet for **RG207944**

DTX3L (NM_138287) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DTX3L (NM_138287) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DTX3L
Synonyms:	BBAP; RNF143
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG207944 representing NM_138287
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTCCCACCTGCGCCCGCGTCCCGCTCCTCGTGGGGTGTACAAGTCCGGCCCCGAGTACGAA
 GGAAGCTGGAGAGCTACTTCCAGAGCTCTAAGTCTCGGGCGGGGGAGTGCACGGTCAGCACCCAGGA
 ACACGAAGCCCCGGCACCTTCCGGGTGGAGTTCAAGTAAAGGGCAGCTAAGGAGAGAGTGTGAAAAA
 GGAGAGCACCAAATACTTGTGACGAAAACTGTGCCATTTTCTGGTACCCACTGAAAATTCATAA
 AGAAGAACACGAGACCTCAAATTTCTCACTGACACAATCACAAGCAGAAAACCCGTCTGGTGATATGCA
 TCAACATGAAGGACATATTCCTAATGCTGTGGATTCTGTCTCCAAAAGATCTTTCTACTGTAACAGCT
 GACCTGAACTGTAACCTGTTCTCCAAAGAGCAGAGGGCATAACATAACCACACTGTGCCCTAGTATCAGAA
 AATGGAAGGTCACGATGGAATTGAGAAGGTGTGTGGTGAAGTCCAAAGACATTGAAAGAATACATCAATT
 TTTGAGTGAGCAGTTCTGGAAAGTGAGCAGAAAACAATAATTTCCCTTCAATGACAGAGAGGAAGCCA
 CTCAGTCAGCAGGAGAGGACAGCTGCATTTCTCCTTCTGAACCAGAAAACCAAGGCAGAAAACAAAAAGCA
 ACTATTTTGAAGTTCCCTTGCCCTACTTTGAATACTTTAAATATATCTGTCTGATAAAAATCAACTCAAT
 AGAGAAAAGATTTGGTGTAAACATTGAAATCCAGGAGAGTTCTCCAAATATGGTCTGTTTAGATTTACC
 TCAAGTCGATCAGGTGACCTGGAAGCAGCTCGTGAGTCTTTTGCTAGTGAATTTCAGAAGAACACAGAAC
 CTCTGAAGCAAGAATGTGTCTTTAGCAGACAGTAAGCAGGCAAATAAATTCAAACAGGAATGAAATCA
 CCAGTTTACAAAGCTCCTTATAAAGGAGAAAGGAGGCGAATTAAGTCTCCTTGGGACCCAAGATGACATT
 TCAGCTGCCAAACAAAAATCTCTGAAGCTTTTGTCAAGATACCTGTGAAACTATTTGCTGCCAATTACA
 TGATGAATGTAATTGAGTTGATAGTGCCCACTATAAATTTTAGAAAAGTGAATTAACAGGAGATATC
 AGAGATCGAAAAAAGGTATGACATTTGACAGCAAGGTTTCTGAGAAAGGTGAGAAAACCTGCATTCTGTTT
 GAATCCAAGGACAGGCAGGTAGATCTATCTGTGCATGCTTATGCAAGTTTCATCGATGCCTTTCAACATG
 CCTCATGTGAGTTGATGAGAGAAGTTCTTTACTGAAGTCTTTGGGCAAGGAGAGAAAAGCACTTACATCA
 GACCAAGTTTGCTGATGACTTTAGAAAAAGACATCCAAATGTACACTTTGTGCTAAATCAAGAGTCAATG
 ACTTTGACTGGTTTGCCAAATCACCTTGCAAAGGCGAAGCAGTATGTTCTAAAAGGAGGAGGAATGTCTT
 CATTGGCTGGAAGAAAATGAAAGAGGGTCATGAAACACCGATGGACATTGATAGCGATGATTCAAAGC
 AGCTTCTCGCCACTCAAGGGCTCTGTGAGTTCTGAGGCCTCAGAACTGGACAAGAAGGAAAAGGGCATC
 TGTGTCATCTGTATGGACACCATTAGTAACAAAAAGTGCTACCAAAGTGAAGCATGAATTCTGCGCCC
 CTTGTATCAACAAAGCCATGTCATATAAGCCAATCTGTCCACATGCCAGACTTCTATGGTATTAGAA
 AGGAAATCAGCCAGAGGGGAAGCATGGTTTTCACTGTTTCAAGAGACTCACTTCCAGGTTATGAGTCTTT
 GGCACCATTGTGATTACTTATTCTATGAAAGCAGGCATACAAACAGAAGAACACCCAAACCCAGGAAAGA
 GATACCTGGAATACAGCGAACTGCATACTTGCCCTGATAATAAGGAAGGAAGGAAGGTTTTGAAACTGCT
 TTATAGGGCTTTGACCAAAAGCTGATTTTACAGTGGGGTACTCTCGGTATTAGGAGTCTCAGATGTC
 ATCACTTGGAATGATATTCACCACAAAACATCCCGTTTTGGAGGACCAGAAATGTATGGCTATCCTGATC
 CTCTTACCTGAAACGTGTCAAAGAGGAGCTGAAAGCCAAAGGAATTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207944 representing NM_138287
 Red=Cloning site Green=Tags(s)

MASHLRPPSPLLVRVYKSGPRVRRKLESYFQSSKSSGGGECTVSTQEHEAPGTFRVEFSERAAKERVLKK
 GEHQILVDEKPVPIFLVPTENSIKKNTRPQISSLTQSQAETPSGDMHQHEGHIPNAVDSCLQKIFLTVTA
 DLNCLNFSKEQRAYITTLCPSSIRKMEGHGDIKVCQDFQDIERIHQFLSEQFLESEKQKQFSPSMTERKP
 LSQQRDSCISPSEPETKAEQKSNYFEVPLPYFEYFKYICPDKINSIEKRFGVNIIEIQESSPNMVCLDFT
 SSRSGDLEAARESFASEFQKNTPEPLKQECVSLADSKQANKFKQELNHQFTKLLIKEKGGELTLLGTQDDI
 SAAKQKISEAFVKIPVKLFAANYMMNVIEVDSAHYKLLLETELLQEISEIEKRYDICSKVSEKQKTCILF
 ESKDRQVDLSVHAYASFIDAFQHASCQLMREVLKSLGKERKHLHQTKFADDFRKRHPNVHFVNLQESM
 TLTGLPNHLAKAKQYVLKGGMSSLAGKLLKEGHETPMDDSDSKAASPLKGSVSSEASELDKKEKGI
 CVICMDTISNKKVLPCKKHEFCAPCINKAMSYKPICTCQTSYGIQKGNQPEGSMVFTVSRDSLPGYESF
 GTIVITYSMKAGIQTEHPNPGKRYPGIQRAYLPDNKEGRKVLKLLYRAFDQKLIFTVGYSRVLGVSDV
 ITWNDIHHKTSRFGGPEMYGYPDPSPYLKRVKEELKAKGIE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138287

ORF Size: 2220 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).

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_138287.3](#), [NP_612144.1](#)

RefSeq Size: 4926 bp

RefSeq ORF: 2223 bp

Locus ID: 151636

UniProt ID: [Q8TDB6](#)

Cytogenetics: 3q21.1

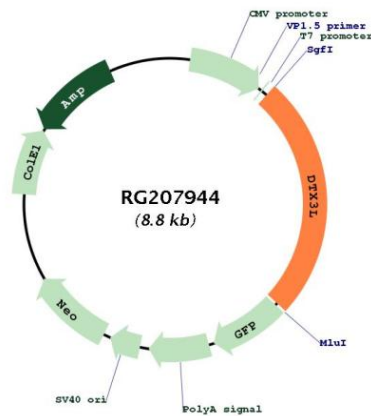
Domains: RING

Protein Families: Druggable Genome

Protein Pathways: Notch signaling pathway

Gene Summary: DTX3L functions as an E3 ubiquitin ligase (Takeyama et al., 2003 [PubMed 12670957]). [supplied by OMIM, Nov 2009]

Product images:



Circular map for RG207944