

Product datasheet for **RG223710**

HECTD2 (NM_173497) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HECTD2 (NM_173497) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: HECTD2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG223710 representing NM_173497
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGAGGCGGTTTCGGGTACCTCGCCCGCCACTCCGCTGGTGGTGGCGGCGCCCGCGCCTGAGGAGA
GGAAAGGGAAGGAGTCAGAGCGCGAGAAGCTGCCGCCATCGATCGCGGGCGCCGCGGACCGCGGG
TTTGGACAGAGGAGCCAAAGGCCAAATTTCCACTTTCAGCAGTTTTATTTAGCTGTTAGCCGAAGAAA
GAAGCTGCTGAAAACAGAAGTTCACCTGCACATCTTGTTCCTAACATCAAGAATGTGAGAGAACCAC
CACCAATTTGCCTTGATGTTAGACAAAAACAGCGTACATCTATGGATGCATCATCCGAAATGAAGGC
CCCACTCCTTCCAGAACCTATTCTTCTATCCAGCCCAAACTGTGAAAGACTTTTCAGGAAGATGTAGAA
AAAGTTAAGTCATCAGGAGATTGAAAGCAGTACATGATTTTTATCTAACAACGTTTGATTCTTTCCAG
AATTAATGCTGCATTTAAGAAAGATGCCACTGCCTCATTTAACACCATTGAAGACTCTGGGATTAATGC
TAAATTTGTAATGCTGTGTATGATACCTTACTTAATACTGTAAGTATTATGACATGCAAG

ACGCGTACGCGGCGCGTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG223710 representing NM_173497
Red=Cloning site Green=Tags(s)

MSEAVRVSPATPLVVAAPAPEERKKGESEREKLPPIVSAGAGATAGLDRGAKGQISTFSSFISAVSPKK
EAAENRSSPAHLVFPNIKNVREPPPICLDVRQKQRTSMDASSEMKAAPVLEPILPIQPKTVKDFQEDVE
KVKSSGDWKAHVDFYLTTFDSFPELNAAFKKDATASFNTIEDSGINAKFVNAVYDILLNTVSIMTCK

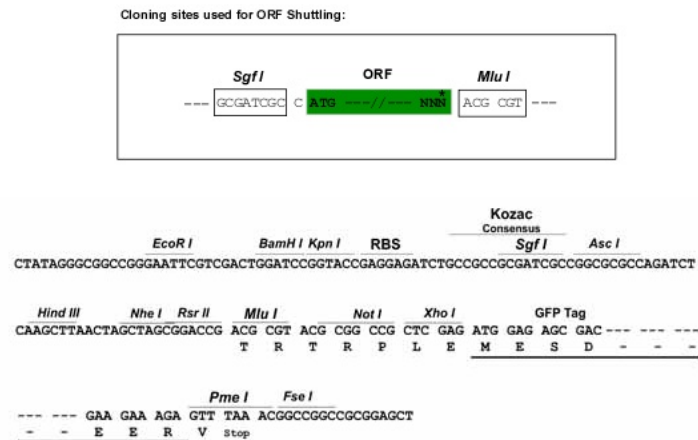
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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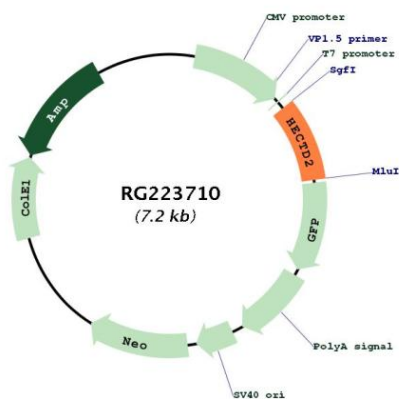
Cloning Scheme:



ACCN:	NM_173497
ORF Size:	621 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_173497.4
RefSeq Size:	1726 bp
RefSeq ORF:	624 bp
Locus ID:	143279
UniProt ID:	Q5U5R9

Cytogenetics:	10q23.32
Protein Families:	Druggable Genome
Gene Summary:	Probable E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG223710