

Product datasheet for **RG209579**

TTDA (GTF2H5) (NM_207118) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TTDA
Synonyms:	bA120J8.2; C6orf175; TFB5; TFIIH; TGF2H5; TTD; TTD-A; TTD3; TTDA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG209579 representing NM_207118
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTCAACGCTCTTGAAGGAGTGCTTATAGAATGTGATCCTGCCATGAAGCAGTTTCTGCTGTACTTGG
ATGAGTCCAATGCCCTGGGGAAGAAGTTCATCATTCAAGACATTGATGACACTCACGCTTTGTAATAGC
AGAATTGGTTAATGTCTCCAGGAGCGAGTGGTGAATTAATGGACCAAAATGCTTTTCCCTTACCCAG
AAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG209579 representing NM_207118
Red=Cloning site Green=Tags(s)

MVNVLKGVLIECDPAMKQFLLYLDESALGKKFIIQDIDDTHVFVIAELVNVLQERVGELMDQNAFSLTQ
K

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_207118

ORF Size: 213 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.

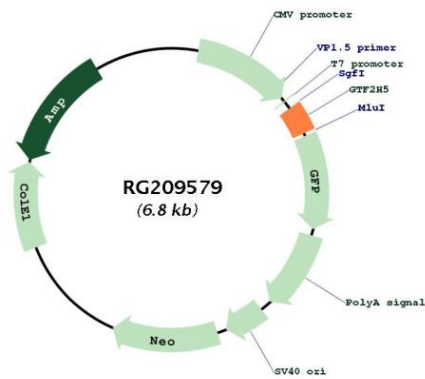
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_207118.3</u>
RefSeq Size:	451 bp
RefSeq ORF:	216 bp
Locus ID:	404672
UniProt ID:	<u>Q6ZYL4</u>
Cytogenetics:	6q25.3
Protein Families:	Transcription Factors
Protein Pathways:	Nucleotide excision repair
Gene Summary:	This gene encodes a subunit of transcription/repair factor TFIIH, which functions in gene transcription and DNA repair. This protein stimulates ERCC3/XPB ATPase activity to trigger DNA opening during DNA repair, and is implicated in regulating cellular levels of TFIIH. Mutations in this gene result in trichothiodystrophy, complementation group A. [provided by RefSeq, Mar 2009]

Product images:



Circular map for RG209579