

Product datasheet for **RG208260**

TYRO3 (NM_006293) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TYRO3 (NM_006293) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TYRO3
Synonyms:	BYK; Dtk; Etk-2; Rek; RSE; Sky; Tif
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208260 representing NM_006293
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCTGAGGGCGAGCATGGGGCGGCCGGGGCTCCCGCGCTGCCGCTGCCGCCACC CGGGCTCG
 GGCTGCTGCTGGCGGCTCTGGCTTCTCTGCTGCTCCCGAGTCCGCCCGCAGGCTGAAGCTCATGGG
 AGCCCCGGTGAAGCTGACAGTGTCTCAGGGCAGCCGGTGAAGCTCAACTGCAGTGTGGAGGGATGGAG
 GAGCCTGACATCCAGTGGGTGAAGGATGGGGCTGTGGTCCAGAATTGGACCAGTTGTACATCCCAGTCA
 GCGAGCAGCACTGGATCGGCTTCTCAGCCTGAAGTCAAGTGGAGCGCTCTGACGCCGGCCGGTACTGGT
 CCAGGTGGAGGATGGGGGTGAAACCGAGATCTCCAGCCAGTGTGGCTCACGGTAGAAGGTGTGCCATTT
 TTCACAGTGGAGCAAAAGATCTGGCAGTCCACCAATGCCCTTTCCAAGTGTCTGTGAGGCTGTGG
 GTCCCCCTGAACCTGTTACCATTGTCTGGTGGAGAGGAACTACGAAGATCGGGGGACCCGCTCCCTCC
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 TTTACCTGCCTGCTCCGGGACCTGGTGCCTGCCACCAACTACAGCCTCAGGGTGCCTGTGCCAATGCCT
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 AGCACCAGCCAGAGAGTCCCTCAATGAGACACAGAGGCTTTTGTGCTGCAGCAAGGGCTACTGCCACA
 CAGTAGCTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208260 representing NM_006293
 Red=Cloning site Green=Tags(s)

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MALRRSMGRPGLPPLPLPPPPRLGLLLAAALASLLLPEASAAAGLKLMGAPVKLTVSQGPVKLNCSVEGME
EPDIQWVKDGAVVQNLQLYIPVSEQHWIGFLSLKSVERSDAGRYWCQVEDGGETEISQPVWLTVEGVFP
FTVEPKDLAVPPNAPFQLSCEAVGPPPEVTIVWWRGTTKIGGPAPSPSVLNVTVGTQSTMFSCAHLNKG
LASSRTATVHLQALPAAPFNITVTKLSSNASVAVMMPGADGRALLQSCTVQVTQAPGGWEVLAVVVPVP
FTCLLRDLVLPATNYSLRVRCANALGPSYADWVPFQTKGLAPASAPQNLHAIRTD SGLILEWEEVPEAP
LEGPLGPYKLSWVQDNGTQDEL TVEGTRANLTGWDPQKDLIVRVCVSNVAVGCGPWSQPLVVSSHDRAGQ
GPPHSRTSWVPVVLGVLTAALVTAALALILLRKRKTRFQAFDSVMARGEPVHFRAARSFNRERPER
IEATLDSLGISDELKEKLEDVLIPEQQFTLGRMLKGEFGSVREAQLKQEDGSFVKVAVKMLKADIASS
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LESLADNLYTVQSDVWAFGVTMWEIMTRGQTPYAGIENAEIYNYLIGGNRLKQPPECMEDVYDLMYQCWS
ADPKQRPSTCLRMELENILGQLSVLSASQDPLYINIERAEPTAGGSLELPGRDQPYSGAGDGS GMGAV
GGTPSDCRYILTPGGLAEQPGQAEHQPE SPLNETQRLLLLLQQGLLPHSSC
  
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TRTRPLE - GFP Tag - V

Restriction Sites:

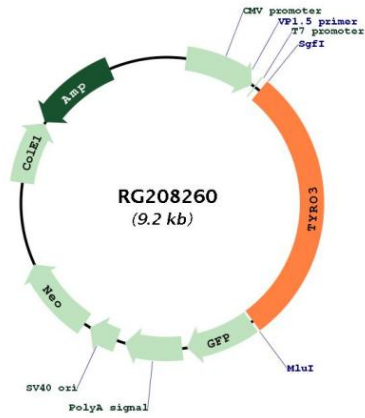
SgfI-MluI

Cloning Scheme:



ACCN:	NM_006293
ORF Size:	2670 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_006293.2 , NP_006284.2
RefSeq Size:	3949 bp
RefSeq ORF:	2673 bp
Locus ID:	7301
UniProt ID:	Q06418
Cytogenetics:	15q15.1
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>The gene is part of a 3-member transmembrane receptor kinase receptor family with a processed pseudogene distal on chromosome 15. The encoded protein is activated by the products of the growth arrest-specific gene 6 and protein S genes and is involved in controlling cell survival and proliferation, spermatogenesis, immunoregulation and phagocytosis. The encoded protein has also been identified as a cell entry factor for Ebola and Marburg viruses. [provided by RefSeq, May 2010]</p>

Product images:



Circular map for RG208260