

Product datasheet for **RG205656**

GTPBP8 (NM_014170) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	GTPBP8
Synonyms:	HSPC135
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205656 representing NM_014170
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCGGCGCCCGGGCTGCGGCTGGGAGCGGGAAGACTCTTTGAAATGCCTGCGGTGCTAGAGCGACTGA
GCCGCTATAATAGCACGTCCCAAGCTTTTGCTGAGGTGCTGCGGCTGCCGAAGCAGCAGCTGAGGAAGCT
GCTGTACCCGCTGCAGGAAGTAGAGCGGTTCTCGCCCCCTACGGGAGGCAAGACCTTCACCTGCGTATC
TTTGACCCAAGCCCGGAGGACATAGCCAGGCGGACAAACATCTTCACGGCCACTGAACGGAACCGCATCG
ACTACGTCAGCTCCGCCGTCCGTATCGACCACGCCCGGACCTTCGCGGCCAGAGGTGTGTTTTATAGG
CAGAAGCAATGTTGAAAAATCATCTAATCAAGGCTTTATTTCACTGGCCCCCTGAGGTTGAAGTCAGA
GTCTCCAAAAACCAGGACACAAAGAAATGAATTTTTCAAAGTTGAAAAACATTTACAGTGGTGG
ACATGCCAGGTTATGGCTTTAGAGCACCTGAAGATTTTGTGACATGGTAGAGACCTATCTAAAAGAACG
AAGGAACCTGAAGAGAACATTTTATTAGTGGATAGCGTTGTTGGAATTCAAAAACAGACAATATTGCC
ATAGAAATGTGGAAGATTTGCATTACCTTATGTGATTGTATTAACAAAAATTGACAAATCTTCCAAGG
GACATCTTTTAAACAAGTGCTTCAGATCCAGAAATTTGTTAACATGAAACTCAAGGATGTTTTCTCA
GTTGTTTCTGTAAGTGCTGTGACCTTTTCTGGAATCCACCTGTTGAGATGCTTTATAGCCAGTGAACA
GGAAGTCTTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG205656 representing NM_014170

Red=Cloning site Green=Tags(s)

MAAPGLRLGAGRLFEMPAVLERLSRYNSTSQAFAEVLRPKQQLRKLLYPLQEVERFLAPYGRQDLHLRI
FDPSPIEDIRADNIFTATERNRIDYSSAVRIDHAPDLPRPEVCFIGRSNVGKSSLIKALFSLAPEVEVR
VSKPKGHTKKMNFVKVGHFTVVDMPGYGFRAPEDFVDMVETYLKERRNLKRTFLLVDSVVGIQKTDNIA
IEMCEEALPYVIVLTKIDKSSKGHLKQVLQIQKFVNMKTQGCFFPQVSAVTFSGIHLRLCFIASVT
GSLD

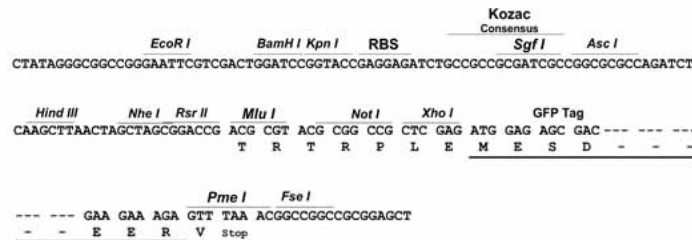
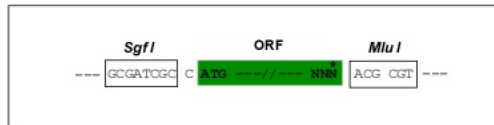
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN:

NM_014170

ORF Size:

852 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: [NM_014170.4](#)

RefSeq Size: 1364 bp

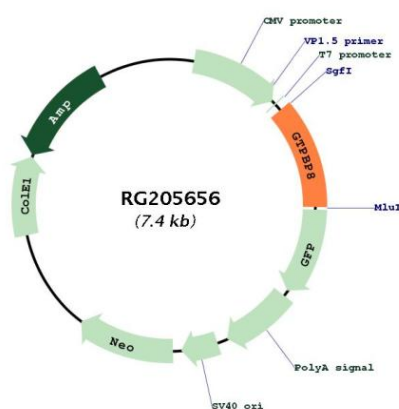
RefSeq ORF: 855 bp

Locus ID: 29083

UniProt ID: [Q8N3Z3](#)

Cytogenetics: 3q13.2

Product images:



Circular map for RG205656