

Product datasheet for **MG204580**

Acy3 (BC010795) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acy3 (BC010795) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Acy3
Synonyms:	HCBP1, Acy-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204580 representing BC010795 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTCCCTACCTGGGTCCCGGGAGCCCCTGCTCCGTGTGGCTGTGACTGGAGGCACCCACGGGAATG
AGATGTGTGGTGTCTACCTGGCCCGGTACTGGCTACAGAACCCAGGGGAGCTGCAGAGACCCAGCTTCTC
AGCCATGCCGGTTCTGGCCAACCCAGCAGCCACAGCTGCCTGTTGCCGTTACCTGGACCGTGATCTCAAC
CGCTCCTGCACCCTCACCTTCTTGGTTCCACCGCTACCCCTGATGACCCTATGAAGTAAAAGAGCCC
GAGAGTTGAACCAGCTGCTGGGTCCAAGGGCACAGGCCAGGCTTTTGACTTTACCCTAGACCTGCACAA
CACCACAGCAAACACTGGAGTCTGCCTCATCTCTGAATCCAACATCTCCTTCAACTTGCACCTGTGCCAC
TACCTACAGCGGCAGAACCCGGGATGCCCTGCCGCTTTTCTGTATGAGCCAGCTGGGACGGAGACCT
TCAGCGTGAATCTATATCCAAGAATGGAATCTGTCTGGAGATGGGCCACAGCCTCAGGGCGTGTGCG
GGCCGACCTGTTCTCCCGGATGCGAGCTCTGGTGGCATCCATTCTGGACTTCATCGAGCTTTCAACCAA
GGCATGGACTTACCCGCCTTTGAGATGGATATCTACAGGAACTTGGGCAGTGTGGACTTCCCACGCAGT
CGGATGGTGACCTGGCTGGCACTGTGCACCCTCAACTGCAGGACCATGACTTTGAGCCACTGAGGCGCTGG
TGAACCATCTTCAAGCTTTTACGCGGAGAAGACGTACTGTATGAGGGGACTCCATTGTGTACCCTGTG
TTCATTAATGAGGCTGCCTATTATGAGAAGCACGTGGCATTCTGAAGTCTGAGAAGATCAGGGTCACAG
TGCTGCCCTGCTGAGGTTGACCCCGCTCCACCCAGACTCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204580 representing BC010795
Red=Cloning site Green=Tags(s)

MSSLPGSREPLLRVAVTGGTHGNEMCGVYLARYWLQNPGE LQRPSFSAMPVLNPAATAACCRYLDRDLN
 RSCTLTFLGSTATPDDPYEVKRARELNQLLGPKGTGQAFDFTLDLHNTTANTGVCLISESNISFNLHLCH
 YLQRQNPMPCLFLYEPAGTETF SVESISKNGICLEMGPQPQGVLRADLFSRMRALVASILDFIELFNQ
 GMDLPAFEMDIYRNLGSVDFPRTADGDLAGTVHPQLQDHDFEPLRPGEPIFKLFSGEDVL YEGDSIYYPV
 FINEAAYYEKHVAFLKSEKIRVTPALLRLTPRSTQTP

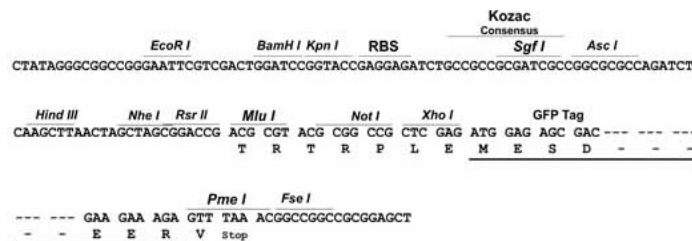
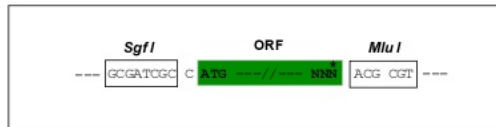
TRTRPLE - GFP Tag - V

Restriction Sites:

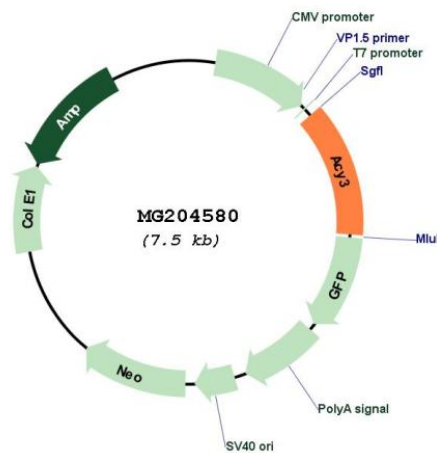
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC010795

ORF Size: 956 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:	<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:	BC010795 , AAH10795
RefSeq Size:	1531 bp
RefSeq ORF:	956 bp
Locus ID:	71670
Cytogenetics:	19 A
Gene Summary:	This gene encodes a member of the aminoacylase family of enzymes. This enzyme specifically deacetylates N-acetyl aromatic amino acids and mercapturic acids. Action of this enzyme on metabolites of the environmental contaminant trichloroethylene leads to the generation of toxic products that may lead to kidney failure. This protein has been found to bind to the hepatitis C virus core protein. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]