

Product datasheet for **MG211766**

Hr (BC049182) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hr (BC049182) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hr
Synonyms:	N, AU, ba, rh, ALUNC, rhino
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211766 representing BC049182 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAGTATGCCAGCTTCTGAAGGACACCCAGCCTGGGAGAAGACAGCCCTGTGAACGGCATTG
TGGGACAGGAGCCTGGTACCTCACCACAGGATGGCTTGCGCCATGGGCACTGTGCCTAGGAGAACCTGC
TCCCTTTGGAGGGTGTCTGAGCACCCAGACTCCTGGCTCCCTCCTGGCTTCTCCAAGCCCCAAG
GACACACTCTCACTGGTGGAGGGTGGGGTCTCGAACGGGGAGAGGAAGGGCAGCTGGCTAGCGGCA
AGGAAGGACTGCGCTGGAAGGAAGCGATGCTGGCCATCCACTGGCCTTTGTGGCCGGCATGCCACC
TCGCTATGGGCCCTGATACCTGAGCATAGTGGTGGCCATCCCAAGAGTGACCCTGTGGCCTCCGCCCC
TTGCACTGCCCTTCTGCTGGAGACCAAGATTCTAGAGCGAGCTCCCTTCTGGGTTCTACCTGCTTGC
CTCCCTACCTGATGTCCAGCCTGCCCCAGAGCGTCCATATGACTGGCCTTTGGCCCAAACCCATGGGT
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GTTCCAAGCAGTAAAGGGCGCTGTGGGGCGTTACAGGAAGCTAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211766 representing BC049182
 Red=Cloning site Green=Tags(s)

MESMPSFLKDTPAWEKTAPVNGIVGQEPGTSPQDGLRHGALCLGEPAPFWRGVLSTPDSWLPPGFLLQGP
 DTL SL VEGEGPRNGERKGSWLGGKEGLRWKEAMLAHPLAF CGPACPPRYGPLIPEHSGGHPKSDPVAFRP
 LHCPFLLETKILERAPFWVPTCLPPYLMSLPPERPYDWPLAPNPWVYSGSQPKVPSAFGLGSKGFYHKD
 PNILRPAKEPLAESGMLGLAPGGHLQQACESEGPSLHQRDGETGAGRQQLNCPVFLGYPDTVPRAPWPC
 PPGLVHSLGNIWAGPGSNLSGYQLGPPATPRCPSGPPTPPGGCCSSHL PAREGLGPCRKCQDSPEGGS
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 EKTGSQEHTDDCAQEAGHAACSLILTQFVSSQALAE LSTVMHQVWAKFDIRGHCFQVDARVWAPGDGG
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 IHMAFAPVTPALPSSDDRI TNILDSIIAQVVERKIQEKALGPGLRAGSGLRKGLSLPLSPVTRLSPPGAL
 LWLQEPKPHGFHLFQEHWRRQGPVLSVGIQKTLRLSLWGMEALGTLGGQVQTLTALGPPQPTNLDSTAF
 WEGF SHPETRPKLDEGSVLLHRTLGDKASRVQNLASSLPLPEYCAHQKLN LASYLPLGLTLHPLEPQ
 LWAA YGVNSHRHGLGTKNLCEVESDLISILVHAE AQLPPWYRAQKDFLSGLDGEGLWSPGSQTSTVWHVF
 RAQDAQRI RRF LQM VCPAGATLEPGAGSCYL DAGLRRRLREEWGVSCWTL LQAPGEAVLPAGAPHQV
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TRTRPLE - GFP Tag - V

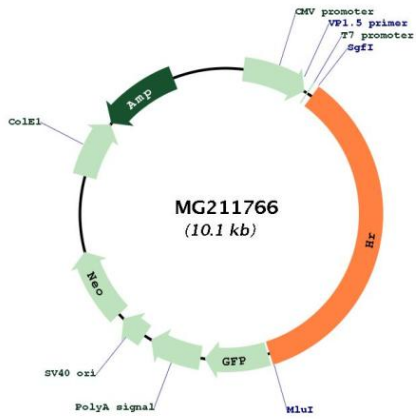
Restriction Sites: SgfI-MluI
 Cloning Scheme:



ACCN: BC049182
 ORF Size: 3548 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:	BC049182 , AAH49182
RefSeq Size:	5599 bp
RefSeq ORF:	3548 bp
Locus ID:	15460
Cytogenetics:	14 D2
Gene Summary:	This gene encodes a protein that is involved in hair growth. This protein functions as a transcriptional corepressor of multiple nuclear receptors, including thyroid hormone receptor, the retinoic acid receptor-related orphan receptors and the vitamin D receptors, and it interacts with histone deacetylases. The translation of this protein is modulated by a regulatory ORF that exists upstream of the primary ORF. Mutations in this upstream ORF, U2HR, cause Marie Unna hereditary hypotrichosis (MUHH), an autosomal dominant form of genetic hair loss in human. [provided by RefSeq, Oct 2014]

Product images:



Circular map for MG211766