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Product datasheet for MC223846

Hr (NM_021877) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hr (NM_021877) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hr
Synonyms:	ALUNC; b; bld; bldy; r; rh-bm; rh-bmh
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223846 representing NM_021877 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGAGAGTATGCCCAGCTTCCTGAAGGACACCCCAGCCTGGGAGAAGACAGCCCCTGTGAACGGCATTG TGGGACAGGAGCCTGGTACCTCACCACAGGATGGCTTGCGCCATGGGGCACTGTGCCTAGGAGAACCTGC TCCCTTTTGGAGGGGTGTTCTGAGCACCCCAGACTCCTGGCTCCCTCCTGGCTTCCTCCAAGGCCCCAAG GACACACTCTCACTGGTGGAGGGTGAGGGTCCTCGGAACGGGGAGAGGAAGGGCAGCTGGCTAGGCGGCA AGGAAGGACTGCGCTGGAAGGAAGCGATGCTGGCCCATCCACTGGCCTTTTGTGGGCCGGCATGCCCACC TCGCTATGGGCCCCTGATACCTGAGCATAGTGGTGGCCATCCCAAGAGTGACCCTGTGGCCTTCCGGCCC TTGCACTGCCCTTTCCTGCTGGAGACCAAGATTCTAGAGCGAGCTCCCTTCTGGGTTCCTACCTGCTTGC CTCCCTACCTGATGTCCAGCCTGCCCCCAGAGCGTCCATATGACTGGCCTTTGGCCCCAAACCCATGGGT ATACTCTGGGAGCCAGCCAAAAGTGCCCTCTGCCTTTGGCTTAGGCAGCAAGGGCTTTTACCACAAGGAT CCGAACATCCTCAGGCCAGCAAAGGAGCCCTTGGCAGAGTCTGGGATGTTGGGCTTAGCCCCTGGTGGGC ATCTCCAGCAAGCCTGTGAATCAGAAGGCCCCTCACTTCACCAGAGGGATGGGGAGACAGGAGCTGGCAG GCAGCAGAATCTTTGCCCAGTTTTCTTGGGGTACCCAGACACTGTTCCTCGGGCCCCCTGGCCTTCTTGT CCCCCAGGCCTGGTTCACAGTCTTGGCAACATTTGGGCTGGGCCAGGAAGTAATAGCCTTGGGTACCAAC TAGGACCACCAGCCACACCAAGGTGCCCATCTCCTGGGCCTCCTACCCCTCCAGGGGGCTGTTGCTCATC CCATCTACCTGCCAGAGAGGGGGATCTTGGCCCTTGTAGGAAATGCCAGGATAGCCCAGAGGGAGGTAGC AGTGGGCCAGGGGAATCCAGTGAAGAAAGGAACAAAGCTGATTCCAGGGCCTGTCCCCCAAGCCATCACA CCAAGCTGAAAAAGACCTGGCTCACACGCCACTCGGAACAGTTTGAGTGCCCAGGTGGCTGTTCAGGGAA GGAAGAGAGCCCAGCCACTGGGCTCCGGGCACTCAAGAGGGCAGGCAGTCCAGAGGTCCAAGGAGCATCA AGGGGCCCAGCTCCCAAACGCCCATCCCACCCTTTCCCAGGCACTGGGAGGCAGGGGGCCAGGGCTTGGC AGGAGACACCGGAGACAATCATAGGAAGCAAGGCGGAGGCAGAGCAACAAGAGGAACAGAGAGGGCCCCG AGATGGCAGGATTAGGCTCCAGGAGTCCAGACTTGTGGATACATCCTGCCAGCATCACTTAGCAGGTGTC

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ACCCAGTGCCAAAGCTGTGTCCAGGCAGCTGGAGAGGTAGGGGTACTGACCGGCCACTCCCAGAAATCAC
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GTTCCAAGCAGTAAAGGCGGCTGTGGGGGCGTTACAGGAAGCTAAATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_021877

Insert Size: 3549 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.

RefSeq: NM_021877.3, NP_068677.2

RefSeq Size: 5501 bp

RefSeq ORF: 3549 bp

Locus ID: 15460

UniProt ID: Q61645

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]