

Product datasheet for MR227643

a (NM_015770) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: a (NM_015770) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: a
Synonyms: A; As; ASIP; ASP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR227643 representing NM_015770
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGTCAACCGCCTACTCCTGGCCACCCTAGTGGGCTTCCTGTGCTTCTTCACCGTCCACAGCCACC
 TGGCACTCGAGGAGACGCTTGGAGATGACAGGAGTCTGCGGAGTAACTCCTCCATGAACCTCGCTGGATTT
 CTCCTCTGTTTCTATCGTGGCACTGAACAAGAAATCCAAGAAGATCAGCAGAAAAGAAGCCGAGAAGCGG
 AAGAGGTCTTCCAAGAAAAGGCTTCGATGAAGAAGGTGGCAAGGCCCCCGCCACCTTCGCCTGCGTGG
 CCACCCGCGACAGCTGCAAGCCACCCGACCCGCCTGCTGCGACCCGTGCGCCTCCTGCCAGTGCCGTTT
 CTTGCGCAGCGCCTGCACCTGTGAGTACTCAACCCCAACTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227643 representing NM_015770
 Red=Cloning site Green=Tags(s)

MDVTRLLLATLVGFLCFFTVHSHLAEETLGDDRSLRSNSMNSLDFSSVSIVALNKKSKKISRKEAEKR
 KRSSKKKASMKKVARPPPPSPCVATRDCKPPAPACCDPCASCQCRFFGSACTCRVLNPNP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9008_e12.zip

Restriction Sites: Sgfl-Mlul

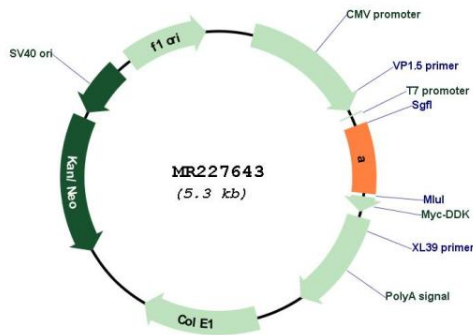


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RefSeq: [NM_015770.3, NP_056585.2](#)
 RefSeq Size: 692 bp
 RefSeq ORF: 396 bp
 Locus ID: 50518
 UniProt ID: [Q03288](#)
 Cytogenetics: 2 76.83 cM
 MW: 14.8 kDa

Gene Summary: Involved in the regulation of melanogenesis. The binding of ASP to MC1R precludes alpha-MSH initiated signaling and thus blocks production of cAMP, leading to a down-regulation of eumelanogenesis (brown/black pigment) and thus increasing synthesis of pheomelanin (yellow/red pigment). Causes hair follicle melanocytes to synthesize phaeomelanin instead of black or brown pigment eumelanin and produces hairs with a subapical yellow band on an otherwise black or brown background when expressed during the mid-portion of hair growth.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227643