

Product datasheet for **MG217672**

Krtap7-1 (NM_027771) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Krtap7-1 (NM_027771) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Krtap7-1
Synonyms: 5430433J05Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217672 representing NM_027771
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTCGCTATTTCTGCTGCGGAACTACTTCCCAGGGTATCCCTGCTATGGAACCACTTCCATGGGA
CCTACAGAGCCACCCCTGAAGTGTGTGTCCTTTGGGCTCCCCCTGAACCATGGCTGCGGAACCAT
GTACAGCTCCCGCAACTTCTGCTATGGTGGCATTAGTAACTTCAGCAATCCAGGCTGTTGCTACGGCAGC
AGCCTCTACAGGCCATGGGGCTCTGGCTCTGGCTTCGGCTACAGCACCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG217672 representing NM_027771
Red=Cloning site Green=Tags(s)
MTRYFCCGNYFPGYPCYGTNFHGTYRATPLNCVVPLGSPLNHGCGTMYSSRNFCYGGISNFSNPGCCYGS
SLYRPWGS GSGFGYSTY

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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:	NM_027771.1 , NP_082047.1
RefSeq Size:	641 bp
RefSeq ORF:	264 bp
Locus ID:	71363
UniProt ID:	Q9D3I6
Cytogenetics:	16 C3.3
Gene Summary:	In the hair cortex, hair keratin intermediate filaments are embedded in an interfilamentous matrix, consisting of hair keratin-associated proteins (KRTAP), which are essential for the formation of a rigid and resistant hair shaft through their extensive disulfide bond cross-linking with abundant cysteine residues of hair keratins. The matrix proteins include the high-sulfur and high-glycine-tyrosine keratins.[UniProtKB/Swiss-Prot Function]