

Product datasheet for MC214648

Eras (NM_181548) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eras (NM_181548) Mouse Untagged Clone
Tag: Tag Free
Symbol: Eras
Synonyms: ecat5; Ha-Ras2; HRAS2; HRasp
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC214648 representing NM_181548
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCTTTGCCTACAAAGTCTAGCATCTTGGACCTGAGCTCCGGCACCCATGCACCAGATCTCCAGAGG
 AAAGTCACGAGGCTTGGGCACAGTGCAAAGATGCTGGCAGGCAGTACCCGAGTACAAGGCAGTGGTGGT
 GGGTGCAAGTGGTGGTAAAAGTGTCTCACCATCCAGATGACTCACCAATGCTTCGTGAAAGACCAT
 GACCCCACTATCCAAGATTCCTACTGGAAGGAAGTGGCCAGGGACAACGGAGGCTACATTCTAAATGTTC
 TGGATACATCTGGGCAGGATATTCACCGGGCTCTGCGTGACCAGTGTGGCATCTGGTGTGGTGTGCT
 GGGCGTCTTTGCTCTTGACGACCCCTCGTCTCTGGACCAAGTGTGACCTGGTGGTGGTGGTGGTGGT
 CACCACAAGCAGCCTCTGGTACTAGTGGGCAACAAGTGTGACCTGGTGGTGGTGGTGGTGGTGGTGGT
 CTGCCGACGCCCTCCTTGCTCACAAGTTGGGGCCCCCTTGGTGAAGACCTCAGCCAAGACGCGGCAAGG
 TGTGGAGGAAGCCTTTGCCCTGCTTGTCCATGAGATTGAGAGGGCCAGGAGGCTGTGGCCGAATCAAGC
 AAGAAGACCCGACACCAGAAAGCCGTGTGTAGCTGTGGCTGCTCTGTAGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_181548
Insert Size: 684 bp



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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:	<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_181548.2 , NP_853526.1
RefSeq Size:	1077 bp
RefSeq ORF:	684 bp
Locus ID:	353283
UniProt ID:	Q7TN89
Cytogenetics:	X A1.1
Gene Summary:	Ras proteins bind GDP/GTP and possess intrinsic GTPase activity. Plays an important role in the tumor-like growth properties of embryonic stem cells.[UniProtKB/Swiss-Prot Function]