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Product datasheet for SC307300

ERAS (NM_181532) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERAS (NM_181532) Human Untagged Clone
Tag:	Tag Free
Symbol:	ERAS
Synonyms:	HRAS2; HRASP
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_181532 edited CTGAGCTGCCTGCTGGGGTCATGGAGCTGCCAACAAAGCCTGGCACCTTCGACCTGGGCC TGGCCACATGGAGCCCTTCCTTCCAGGGGGAAACCCACCGGGCTCAGGCACGCCGCAGGG ATGTTGGCAGGCAGCTGCCTGAGTACAAGGCTGTGGTGGTGGGCGCCAGTGGCGTGGGCA AGAGTGCGCTGACCATCCAGCTGAACCACCAGTGCTTCGTGGAGGACCACGACCCCACCA TCCAGGATTCCTACTGGAAGGAGTTGACCCTGGACAGTGGGGACTGCATTCTGAATGTGC TGGACACAGCAGGGCAGGCCATCCATAGGGCCCTGCGTGACCAGTGCCTGGCTGTCTGTG ATGGTGTGCTGGGCGTCTTCGCTCTCGATGACCCCTCGTCTCTGATCCAGCTGCAGCAGA TATGGGCCACCTGGGGCCCTCACCCCGCCCAGCCCCTTGTCCTCGTGGGCAACAAGTGTG ACCTTGTGACCACTGCTGGAGATGCTCATGCCGCTGCTGCAGCCCTCGCACACAGCTGGG GGGCCCACTTCGTGGAGACCTCGGCCAAAACACGGCAAGGCGTGGAGGAGGCCTTTTCCC TGCTGGTCCATGAGATCCAGAGGGTCCAGGAGGCCATGGCGAAGGAGCCCATGGCAAGGT CCTGTAGGGAGAAGACCCGGCACCAGAAGGCCACCTGCCACTGTGGCTGCTCTGTGGCCT GAAGGTCTTGGCCAAGAAATGTAGACCTTTCCCCAGGCCAGGGTGA
Restriction Sites:	Please inquire
ACCN:	NM_181532
Insert Size:	800 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_181532.2.

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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_181532.2, NP_853510.1
RefSeq Size:	1266 bp
RefSeq ORF:	702 bp
Locus ID:	3266
UniProt ID:	Q7Z444
Cytogenetics:	Xp11.23
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a constitutively active member of the small GTPase Ras protein family. The encoded protein activates the phosphatidylinositol 3-kinase signal transduction pathway in undifferentiated stem cells, but is not expressed in differentiated cells. This gene may be involved in cancer and chemotherapy resistance. [provided by RefSeq, Dec 2012]