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Product datasheet for SC123628

TBRG4 (BC014918) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBRG4 (BC014918) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBRG4
Synonyms:	cell cycle progression 2 protein; CPR2; FASTKD4; FAST kinase domains 4; H_TD2522F11.8; KIAA0948; OTTHUMP00000159556; transforming growth factor beta regulator 4
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for BC014918 edited
GGCGGCGGATGGAGGTCAGCGGTGGTGCTCGCTGCGGTTTGGAATCACTTGCTAGGAGTC
TTGTCTCTCTGCCACCCAGGACATCATGGCAGCTCACCTGGTAAAGCGATGCACGTGCCT
CCTGAGAGAAGCTGCTCGTCAGGCCCCTGCCATGGCTCCAGTTGGCCGACTGAGACTTGC
CTGGGTAGCCCATAAGACTCTGACTTCCTCAGCCACCTCACCCATTTCCCACCTCCCAGG
TTCCTTGATGGAGCCGGTGGAGAAGGAACGAGCATCTACTCCCTACATAGAGAAGCAGGT
GGACCACCTCATCAAGAAGGCCACAAGGCCAGAGGAGCTCCTGGAGCTACTTGGTGGCAG
TCACGACTTGGACAGCAATCAAGCAGCAATGGTACTTATCCGGCTCTCTCACTTGCTGTC
TGAGAAGCCAGAAGATAAAGGCTTGCTCATACAGGATGCCCACTTTCATCAACTTCTCTG
TCTGCTCAACAGTCAGATTGCCTCGGTCTGGCATGGTACCCTCTCGAAGCTGCTGGGAAG
CCTGTATGCTCTGGGCATCCCCAAGGCCTCCAAGGAGCTGCAGTCGGTGGAGCAGGAGGT
CCGCTGGCGCATGCGGAAGCTCAAGTACAAGCACCTGGCCTTCCTGGCAGAGTCCTGTGC
CACCCTCTCACAGGAGCAGCACTCGCAGGAGCTGCTGGCTGAGCTGCTCACACACCTGGA
AAGGCGTTGGACAGAAATTGAAGATTCCCACACATTAGTGACCGTCATGATGAAGGTGGG
ACACCTCTCGGAGCCACTAATGAACCGCCTGGAAGACAAGTGCCTGGAGTTGGTGGAGCA
CTTTGGCCCCAATGAGCTGCGGAAGGTGCTGGTGATGCTGGCAGCTCAGAGCCGGCGGTC
CGTGCCCTTGCTGCGGGCCATCTCCTACCACCTGGTGCAGAAGCCCTTCTCTCTGACGAA
AGATGTGCTCTTGGACGTGGCCTATGCCTATGGCAAACTCAGCTTTCACCAGACCCAGGT
GTCCCAGCGCCTGGCCACCGACCTGCTATCCCTCATGCCCAGCCTGACTTCTGGTGAGGT
GGCCCACTGTGCCAAGTCCTTCGCCTTACTCAAGTGGCTCAGCCTGCCCCTGTTTGAGGC
CTTTGCCCAGCACGTCCTGAACAGAGCGCAGGACATCACCCTGCCCCACCTGTGCAGCGT
ACTTCTGGCTTTTGCGCGTCTGAACTTCCATCCAGACCAAGAGGATCAGTTCTTCAGCCT
GGTACATGAGAAGCTGGGGTCAGAGCTGCCAGGCCTGGAGCCAGCCCTGCAGGTGGACCT
GGTGTGGGCCCTGTGTGTGCTGCAGCAGGCACGGGAAGCAGAGCTGCAAGCCGTCCTCCA
CCCTGAATTTCACATCCAATTTCTAGGGGGCAAGTCTCAGAAGGATCAGAACACCTTCCA
GAAGCTGCTCCACATCAACGCCACTGCCCTGCTGGAGTACCCCGAGTACTCGGGTCCCCT
TCTGCCTGCCTCGGCTGTGGCCCCTGGGCCCTCAGCCCTTGACAGGAAGGTGACCCCCCT
GCAAAAGGAGCTGCAGGAGACGCTGAAGGGGCTGCTGGGGAGCGCCGACAAGGGCAGCCT
CGAGGTGGCCACGCAGTATGGCTGGGTGCTGGATGCTGAGGTGCTGCTGGACAGTGACGG
CGAGTTTCTGCCCGTAAGGGACTTTGTGGCACCTCACCTTGCCCAGCCAACTGGGAGCCA
GTCACCACCTCCAGGGTCTAAGAGGCTAGCGTTCTTGCGGTGGGAGTTCCCCAACTTCAA
CAGCCGAAGCAAGGACTTGCTGGGTCGCTTTGTTCTGGCCCGGCGACACATAGTGGCTGC
AGGCTTCCTGATAGTGGACGTCCCATTCTATGAGTGGCTGGAACTCAAGTCTGAATGGCA
GAAAGGCGCCTACCTCAAGGACAAGATGCGCAAAGCGGTGGCTGAGGAGCTGGCCAAGTG
ACTTGTGCCAGCAGCATGGACTGCGTGCCTCTCCGCCGGAGGTCTAGCTGTGGGCGGCCA
AGAAGGGTCACCCTTGAGGACAAACCTCTGTGCAGGACCTTGGCCAGAGTGGGGAGGGTG
GCCAGCCACTCTGAGGGACAGAACGTCCTCTTGTGTATAATAAACCTTTAATTTTGGTGT
TGGACCCCTGGGGCCTTCCCAGGCTTGGTCACCCTCTGCACTGTCAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for BC014918 unedited
AGTTCAGATTTTGTATACGACTCATATAGGGCGGCCGCGATTCCCGGGATATCGTCGACC
CACGCGTCCGGGCGGCGGATGGAGGTCAGCGGTGGTGCTCGCTGCGGTTTGGAATCACTT
GCTAGGAGTCTTGTCTCTCTGCCACCCAGGACATCATGGCAGCTCACCTGGTAAAGCGAT
GCACGTGCCTCCTGAGAGAAGCTGCTCGTCAGGCCCCTGCCATGGCTCCAGTTGGCCGAC
TGAGACTTGCCTGGGTAGCCCATAAGACTCTGACTTCCTCAGCCACCTCACCCATTTCCC
ACCTCCCAGGTTCCTTGATGGAGCCGGTGGAGAAGGAACGAGCATCTACTCCCTACATAG
AGAAGCAGGTGGACCACCTCATCAAGAAGGCCACAAGGCCAGAGGAGCTCCTGGAGCTAC
TTGGTGGCAGTCACGACTTGGACAGCAATCAAGCAGCAATGGTACTTATCCGGCTCTCTC
ACTTGCTGTCTGAGAAGCCAGAAGATAAAGGCTTGCTCATACAGGATGCCCACTTTCATC
AACTTCTCTGTCTGCTCAACAGTCAGATTGCCTCGGTCTGGCATGGTACCCTCTCGAAGC
TGCTGGGAAGCCTGTATGCTCTGGGCATCCCCAAGGCCTCCAAGGAGCTGCAGTCGGTGG
AGCAGGAGGTCCGCTGGCGCATGCGGAAGCTCAAGTACAAGCACCTGGCCTTCCTGGCAG
AGTCCTGTGCCACCCTCTCACAGGAGCAGCACTCGCAGGAGCTGCTGGCTGAGCTGCTCA
CACACCTGGAAAGGCGTTGGACAGAAATTGAAGATTCCCACACATTAGTGACCGTCATGA
TGAAAGTGGGACACCTCTCGGAGCCACTATGAACCGCCTGGAAGACAGTGCCTGGAGTTG
GTGGAGCACTTTGGCCCCAN

Restriction Sites: Please inquire

ACCN: BC014918

Insert Size: 2220 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: BC014918.1, AAH14918.1

RefSeq Size: 2220 bp

Locus ID: 9238

Cytogenetics: 7p13

Gene Summary: Plays a role in processing of mitochondrial RNA precursors and in stabilization of a subset of mature mitochondrial RNA species, such as MT-CO1, MT-CO2, MT-CYB, MT-CO3, MT-ND3, MT-ND5 and MT-ATP8/6. May play a role in cell cycle progression (PubMed:9383053). [UniProtKB/Swiss-Prot Function]