TBRG1 cDNA Clone – Transforming Growth Factor Beta Regulator 1 (Human)

PRODUCT OVERVIEW

Product Name	TBRG1, cDNA Clone
Full Product Name	TBRG1 cDNA Clone
Product Gene Name	TBRG1 cdna clone
Sequence	atgagcctgc tggacggcct cgcttcctcg ccgcgggctc cgctgcagtc cagcaaggcc aggatgaaaa agctcccgaa gaagagccag aatgagaagt accggctgaa gtacctgcgg ctgcgcaaag cggccaaggc cacggtgttt gtgagtctga cccacgttca gccggtcccc tcctggagac tccctcacaa aatctttccc caagctgttc ccccttccca gtgtgacagt attaatacag tgttggcttt tccgtatacg ttactacttg ttagccttgt gtccttggac aaattacgta atttctctgt gtcctcatct gtaaatgagc tagtaactgt cttgcagaat aatgaatatt aa
Molecular Weight	20,558 Da
OMIM	610614
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TBRG1 cdna clone	MBS1266454 is a cDNA clone targeting TBRG1.
Other Notes	Small volumes of TBRG1 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TBRG1. It may not necessarily be applicable to this product.

NCBI GI #	21595565
NCBI GeneID	84897
NCBI Accession #	BC032312
UniProt Secondary Accession #	Q53GJ5; Q66ZJ6; Q69YS7; Q8TCS4; Q8TEI4; Q96SV0
UniProt Related Accession #	Q3YBR2
NCBI Official Full Name	Homo sapiens transforming growth factor beta regulator 1, mRNA
NCBI Official Synonym Full Names	transforming growth factor beta regulator 1
NCBI Official Symbol	TBRG1
NCBI Official Synonym Symbols	NIAM; TB-5
UniProt Protein Name	Transforming growth factor beta regulator 1
UniProt Synonym Protein Names	Nuclear interactor of ARF and Mdm2
Protein Family	Transforming growth factor
UniProt Gene Name	TBRG1
UniProt Synonym Gene Names	NIAM

UniProt Entry Name	TBRG1_HUMAN
NCBI Protein Information	transforming growth factor beta regulator 1
UniProt Comments for TBRG1	TBRG1: Acts as a growth inhibitor. Can activate p53/TP53, causes G1 arrest and collaborates with CDKN2A to restrict proliferation, but does not require either protein to inhibit DNA synthesis. Redistributes CDKN2A into the nucleoplasm. Involved in maintaining chromosomal stability. Belongs to the TBRG1 family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Tumor suppressor Chromosomal Location of Human Ortholog: 11q24.2 Cellular Component: intracellular membrane-bound organelle; nucleus Molecular Function: protein binding Biological Process: cell cycle arrest; DNA replication; negative regulation of cell proliferation; nucleolus to nucleoplasm transport; protein stabilization
Research Articles on TBRG1	**1.** NIAM regulates 2 critical pathways that control p53 function and are altered in human cancers, implying an important role for NIAM in tumorigenesis.
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