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Product datasheet for SC332510

TSGA14 (CEP41) (NM_001257160) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSGA14 (CEP41) (NM_001257160) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSGA14
Synonyms:	JBTS15; TSGA14
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC332510 representing NM_001257160. Blue=Insert sequence Red=Cloning site Green=Tag(s) ATGTCCCTCCGGAGGCACATTGGGAACCCTGAGTATCTGATGAAAAGGATACCACAGAACCCAAGATAC CAGCATATCAAATCAAGACTGGACACTGGTGCCTGTGTGTATCTTACCAGCTCCCCAGCACTGCCAGAC TGTGCCATGAATGGATTATGCTTCTGA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001257160
Insert Size:	165 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:	NM_001257160.1
RefSeq Size:	3315 bp

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RefSeq ORF:	165 bp
Locus ID:	95681
UniProt ID:	Q9BYV8
Cytogenetics:	7q32.2
Protein Families:	Druggable Genome
MW:	6.2 kDa
Gene Summary:	This gene encodes a centrosomal and microtubule-binding protein which is predicted to have two coiled-coil domains and a rhodanese domain. In human retinal pigment epithelial cells the protein localized to centrioles and cilia. Mutations in this gene have been associated with Joubert Syndrome 15; an autosomal recessive ciliopathy and neurological disorder. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2012] Transcript Variant: This variant (4) lacks multiple exons in the 3' coding region and has a novel 3' terminus, compared to variant 1, which results in an isoform (4; also known as short (S) type) which has a severely truncated and distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.

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