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Product datasheet for SC323342

TSSK1 (TSSK1B) (NM_032028) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSSK1 (TSSK1B) (NM_032028) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSSK1
Synonyms:	FKSG81; SPOGA4; STK22D; TSK1; TSSK1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032028, the custom clone sequence may differ by one or more nucleotides

ATGGATGACGCTGCTGTCCTCAAGCGACGAGGCTACCTCCTGGGGATAAATTTAGGAGAGGGCTCCTATG
CAAAAGTAAAATCTGCTTACTCTGAGCGCCTGAAGTTCAATGTGGCGATCAAGATCATCGACCGCAAGAA
GGCCCCCGCAGACTTCTTGGAGAAATTCCTTCCCCGGGAAATTGAGATTCTGGCCATGTTAAACCACTGC
TCCATCATTAAGACCTACGAGATCTTTGAGACATCACATGGCAAGGTCTACATCGTCATGGAGCTCGCGG
TCCAGGGCGACCTCCTCGAGTTAATCAAAACCCGGGGAGCCCTGCATGAGGACGAAGCTCGCAAGAAGTT
CCACCAGCTTTCCTTGGCCATCAAGTACTGCCACGACCTGGACGTCGTCCACCGGGACCTCAAGTGTGAC
AACCTTCTCCTTGACAAGGACTTCAACATCAAGCTGTCCGACTTCAGCTTCTCCAAGCGCTGCCTGCGGG
ATGACAGTGGTCGAATGGCATTAAGCAAGACCTTCTGTGGGTCACCAGCGTATGCGGCCCCAGAGGTGCT
GCAGGGCATTCCCTACCAGCCCAAGGTGTACGACATCTGGAGCCTAGGCGTGATCCTCTACATCATGGTC
TGCGGCTCCATGCCCTACGACGACTCCAACATCAAGAAGATGCTGCGTATCCAGAAGGAGCACCGCGTCA
ACTTCCCACGCTCCAAGCACCTGACAGGCGAGTGCAAGGACCTCATCTACCACATGCTGCAGCCCGACGT
CAACCGGCGGCTCCACATCGACGAGATCCTCAGCCACTGCTGGATGCAGCCCAAGGCACGGGGATCTCCC
TCTGTGGCCATCAACAAGGAGGGGGAGAGTTCCCGGGGAACTGAACCCTTGTGGACCCCCGAACCTGGCT
CTGACAAGAAGTCTGCCACCAAGCTGGAGCCTGAGGGAGAGGCACAGCCCCAGGCACAGCCTGAGACAAA
ACCCGAGGGGACAGCAATGCAAATGTCCAGGCAGTCGGAGATCCTGGGTTTCCCCAGCAAGCCGTCGACT
ATGGAGACAGAGGAAGGGCCCCCCCAACAGCCTCCAGAGACGCGGGCCCAGTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for mutant NM_032028 unedited
CCCGCCCGTTCTCAGCAAAGGGCGGTAGGCGATGTACGGATGTGTGAGGCTCTATATAAGCAGAGCTCGT
TTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGCATAACTTCGTATAGCATACAT
TATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGGAGGGGGCAGGAACAG
CAGGCCTGGCCAGCCCAAAGGACTCTCTATCCAGGATGTAAATGAGCACACTGCTGGCCCATGCGCCTCG
GGGCTGTAGAGGCAGCCTCAGAGCACTGGGCATTCCTGGCACCATGGATGACGCTGCTGGTCCCTCAGGC
CGAGCGAATGCCTACCTTCCTGGGGGATAAATTTTAGGAGAAGGGCTCCTATGGCAAAAGTAAATTCTGC
TTACTCGGGACGGCCCGGAAGTTTCATGGGGGGGGATCAGGGATCATCGACCCGCAAAAGGGCCCCCCGC
GAACTTCTTTGGAAAAATTTCCTTTCCCGGGGAAATTGAAATTTTTGGCCCGGTTAAACCCCGGGCCCCT
CCTTTAAAAACTACAAAATTTTTTGAAAACTTCAATGGGAGGGGTCAAATTCCCCCAGGGACCCCCGGGC
CCAGGGCAACCCCCCTAAATTTAACCAAAACCGGGGGGACCCCCGGGAAGAGGAAAAACCCCCAAAAAAT
TTCCCCCCTTTTTTTTTGTCCCCAAATATTTTCGCCCACCCCCGGAGTCTTTCCCCCCGGGGCCCCATTT
TGGAAACCCTTTTTTTTTTGGGGGGGTTTTCATCAAAGGTTGGAATATTTTTTTTTTTAAACCCCCCTGC
GGGAGGAAAAAGTGGGAAAAGGGTTATAAAAAAATTCTTTGGTTGCCCCCCATGTCGCCCCCCACGGGGG
GTTCGGGGGTTTCTTCCCTCCCCCCGGTGTGGGACACTCGTGGCACGGCTGAGTGCTCTCTATTGGTGGG
GGGGCGGCGCCCCCGCACAAGACACTACAAAGAAAGAGCGTATGATGAGAGAAGGAGAGAGCGACTTCTT
TCCTGTATCGTACACT

Kinase Domain Sequence:

>SC323342 kinase domain raw sequence. By performing BLASTX analysis with this sequence against NCBI refernce protein database, you can confirm the presence of the kinase-deficient mutation
CSATGMGCAATGGGCGGTAGGCKGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGAACCGTCA
GAATTTTGTAATACGACTCACTATAGGGCGGCCGCATAACTTCGTATAGCATACATTATACGAAGTTATG
GATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGGAGGGGGCAGGAACAGCAGGCCTGGCCAGC
CCAAAGGACTCTCTATCCAGGATGTAAATGAGCACACTGCTGGCC

Restriction Sites: Please inquire

ACCN: NM_032028

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: This kinase-deficient mutant clone was generated by created by site-directed mutagenesis from the corresponding wild-type clone. See details in "Application of active and kinase-deficient kinome collection for identification of kinases regulating hedgehog signaling." Cell. 2008 May p536-548.

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_032028.2, NP_114417.1

RefSeq Size:	2012 bp
RefSeq ORF:	1104 bp
Locus ID:	83942
UniProt ID:	Q9BXA7
Cytogenetics:	5q22.2
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	TSSK1 belongs to a family of serine/threonine kinases highly expressed in testis (Hao et al., 2004 [PubMed 15044604]).[supplied by OMIM, Mar 2008]