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Product datasheet for SC128212

TEC (NM_003215) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TEC (NM_003215) Human Untagged Clone
Tag:	Tag Free
Symbol:	TEC
Synonyms:	PSCTK4
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

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Fully Sequenced ORF:

>OriGene ORF within SC128212 sequence for NM_003215 edited (data generated by NextGen Sequencing)

ATGAATTTTAACACTATTTTGGAGGAGATTCTTATTAAAAGGTCACAGCAGAAAAAGAAG
ACATCGCCCTTAAACTACAAAGAGAGACTTTTTGTACTTACAAAGTCCATGCTAACCTAC
TATGAGGGTCGAGCAGAGAAGAAATACAGAAAGGGGTTTATTGATGTTTCAAAAATCAAG
TGTGTGGAAATAGTGAAGAATGATGATGGTGTCATTCCCTGTCAAAATAAGTATCCATTT
CAGGTTGTTCATGATGCTAACACACTTTACATTTTTGCACCTAGTCCACAAAGCAGGGAC
CTGTGGGTGAAGAAGTTAAAAGAAGAAATAAAGAACAACAATAATATTATGATTAAATAT
CATCCTAAATTCTGGACAGATGGAAGTTATCAGTGTTGTAGACAAACTGAAAAATTAGCA
CCCGGATGTGAAAAATACAATCTTTTTGAGAGTAGTATAAGAAAAGCACTACCTCCAGCA
CCAGAAACAAAGAAGCGAAGGCCTCCCCCACCAATTCCACTAGAAGAAGAAGATAATAGT
GAAGAAATCGTTGTAGCCATGTATGATTTCCAAGCAGCAGAAGGACATGATCTCAGATTA
GAGAGAGGCCAAGAGTATCTCATTTTAGAAAAGAATGATGTTCATTGGTGGAGAGCAAGA
GATAAATATGGGAATGAAGGATATATCCCAAGTAATTACGTAACGGGAAAGAAATCAAAC
AACTTAGATCAATATGAATGGTATTGCAGAAATATGAATAGAAGCAAGGCAGAGCAACTC
CTCCGCAGTGAAGATAAAGAAGGTGGTTTTATGGTAAGGGATTCCAGTCAACCAGGCTTG
TACACAGTCTCCCTTTATACCAAGTTTGGAGGNNNNGGTTCATCGGGTTTTAGGCATTAT
CATATAAAGGAAACAACAACATCTCCAAAGAAGTATTACCTAGCTGAAAAACATGCTTTT
GGCTCCATTCCTGAGATTATTGAATATCATAAGCACAATGCAGCAGGACTTGTCACCAGG
CTTCGGTACCCAGTTAGTGTGAAAGGGAAGAATGCACCCACCACTGCAGGATTCAGCTAT
GAGAAATGGGAGATTAACCCTTCAGAACTGACCTTTATGAGGGAATTGGGAAGTGGACTG
TTTGGAGTGGTGAGGCTTGGCAAATGGCGAGCCCAGTACAAAGTCGCAATCAAAGCTATT
CGGGAAGGTGCAATGTGCGAGGAGGACTTTATAGAAGAAGCTAAAGTGATGATGAAACTG
ACACACCCGAAGTTAGTGCAGCTTTATGGTGTGTGCACCCAGCAGAAACCAATATACATT
GTTACTGAGTTCATGGAAAGGGGCTGCCTTCTGAATTTCCTCCGACAGAGACAAGGTCAT
TTCAGTAGAGACGTACTGCTGAGCATGTGTCAGGATGTGTGTGAAGGGATGGAGTATCTG
GAGAGAAACAGCTTCATCCACAGAGATCTGGCTGCCAGAAATTGTCTAGTAAGTGAGGCG
GGAGTTGTAAAAGTATCTGATTTTGGAATGGCCAGGTATGTTCTGGATGATCAGTACACA
AGTTCTTCTGGTGCTAAGTTTCCTGTGAAGTGGTGTCCACCTGAAGTGTTTAATTACAGC
CGCTTCAGCAGCAAATCAGATGTCTGGTCATTTGGTGTTTTAATGTGGGAAGTATTCACG
GAAGGCAGAATGCCTTTTGAAAAATACACCAATTATGAAGTGGTAACCATGGTTACTCGA
GGCCACCGACTCTACCAGCCGAAGTTGGCGTCCAACTATGTGTATGAGGTGATGCTGAGA
TGTTGGCAGGAGAAACCAGAGGGAAGGCCTTCTTTCGAAGATCTGCTGCGCACAATAGAT
GAACTAGTTGAATGTGAAGAAACTTTTGGAAGATAA

Clone variation with respect to NM_003215.2
453 c=>t;873 a=>n;874 g=>n;875 a=>n;876 a=>n

Restriction Sites: Please inquire

ACCN: NM_003215

Insert Size: 2600 bp

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OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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_003215.1, NP_003206.1
RefSeq Size:	3650 bp
RefSeq ORF:	1896 bp
Locus ID:	7006
UniProt ID:	P42680
Cytogenetics:	4p12-p11
Domains:	pkinase, SH2, TyrKc, SH3, BTK, PH, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	T cell receptor signaling pathway
Gene Summary:	The protein encoded by this gene belongs to the Tec family of non-receptor protein-tyrosine kinases containing a pleckstrin homology domain. Tec family kinases are involved in the intracellular signaling mechanisms of cytokine receptors, lymphocyte surface antigens, heterotrimeric G-protein coupled receptors, and integrin molecules. They are also key players in the regulation of the immune functions. Tec kinase is an integral component of T cell signaling and has a distinct role in T cell activation. This gene may be associated with myelodysplastic syndrome. [provided by RefSeq, Jul 2008]

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