

Product datasheet for **MC228627**

Tspear (NM_001287074) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tspear (NM_001287074) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tspear
Synonyms:	C330046G03Rik; ORF65; Tnep1; TSP-EAR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228627 representing NM_001287074
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTCTGCGCTGCTGATGTTGTGTGCGGTGCTCTTGCTTCTGGGTACCCCAAGCCGTGGTGCCCGCCCT
 GGGAGCCCTGCACAGACCTTCGTCCTGGACATTCTGGCAGAGGTGGTCCCTTTGAATGGAGCTACAAG
 TGGGATCCGGATGGTGCAGGTGGAGGGTGTGCGGGCCCTCCAGTTCTCAGCCACCGAACCCCGTACCACA
 AGTTTTCCCTGCCTCTAGAATCTTCTCCAGCTGCGATTTCTCCCTGAAGAATTCTCCATCATCGTACCT
 TGAGAGTTCACACCTTCCACCAAGAAGAATGAATACCTGCTCTCCCTGCTGGCGGAGGAGAGGGACAC
 GCTACTGCTCGGCCTGAGGTACTACCCACACAGCTGCACTTCTGTTTTCTCAGCGAGGACTGGCTGGT
 GCCTGGCAGACCCGTGTCTCTTCTGGAGCCCTGGCTCATGGACAGCCGATGGCACACTCTGATCTGG
 CTGTGTCCAAGGATCCTTTTCTCTCACACGGACTGTGGCTCCCGGTGGACATAATGGCTGATGTTTC
 CTTCCACCCACCCTATCAGTAAGAGGAGCCCGTTCATTGGCAGCCGAAAAGAACCAAGGCCTA
 TTCACAGGTGTGATAAGGCAACTGGTTTTGCTGCCTGGATCAGATGCCACCCACAGCTGTGTCCCAGCA
 GGAACGCTAGGCTGGCTGAGCTGTCCATCCCCAGGTGCTGAAGAGGCTCACAGGGAAGCCTGATGATAA
 TGAGGTGCTAAATTATCCCTATGAAGCTGACATGAAAGTAACCCCTGGGATCCCGGCCACCGTGTACCAAG
 GCAGAGGGTGCCAGTTCTGGTTCGATGCTGCCAAAAGGGGCTATACCTGTGTGCTGGCAGCGAATGGG
 TCTCCGTGTTGGCAGCCAAGACCAAGCTGGACTACGTTGAAGAACCAGAGTCTGCACACCAACTCAGA
 GACTGGGCATCGAGGTGTTGAGCATCCCCGGTGTGGGGCTCTTCGAGCCGACGCAACCCGGAAGGCT
 AGATCAGCCATCTATAAATGGACAGATGGGAAATTTGTCTCTATCAGAACATTGCTACGCACCAGGCAC
 AGTCATGGCGACATTTACCATTGGGAAAAGATCTTCTGCTGTGGCCAACTTTGGGCCAAATGAAAG
 GGGTCAAGAGTTCTCCGTCATCTACAAATGGAGCCCGAGAAAGCTGAAGTTCACCCCTACCAGAGGATT
 GCCACCCACAGCGCCCGTACTGGGAGGCTTTGAGGTGGACGGAGAGCACTTCTGTTGGTAGCCAACC
 ACCGAGAAGGGGACAACCACAACATCGACAGCATGGTCTACAGGTGGAACCCAGCAGCCAGCTCTTTGA
 AGCCAATCAGTCCATTGCCACGTCGGGTGCCTACGACTGGGAGTTCTTACCCTGGGGCCTTACTCCTTC
 CTGGTGGTGGCCAAACACCTTCAATGGCACTTCCACCCAGGTGCATTCCACCTGTACATCTGGCTGGTCG
 GGGCTTCCAGCTCTCCAGTCGTTCTGACATTCCGCGCCGAGACTGGGAGTCTTCCACATTGGCGA
 GAGGATCTTCTGCAGTGGCAAACAGTCACAGCTACGATGTGCAGATGCAGGCACAAAATGACTCCTAT
 GTCCTCAGCTCTGTTATCTACGAGCTGAACATCACCGCTCAGACCTTTGTCAAGTCCAGGACATCCCCA
 CCTGCAGTGCCCTGGACTGGGAGTTTTTCTCCGTGGGAGAAGATCACTTCTGTTGGTGGTGGCAACTCCT
 TGACGGAAACACCTTCTCAGTGAACAGTATTATTTACAGGTGGCAAGGCTATGAGGGCTTCGTGGCCGTA
 CACAACTCCCCACTTTTGGCTGTCCGGACTGGGAGGCTTTTAACACCACTGCTGGCTCTTACCTCATCT
 ACTCCAGCGCAAAGGAGCCCTCTCCAGGGTCTGAAGCTGAGGACTGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001287074

Insert Size: 2013 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<ol style="list-style-type: none">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:	<u>NM_001287074.1</u> , <u>NP_001274003.1</u>
RefSeq Size:	2446 bp
RefSeq ORF:	2013 bp
Locus ID:	252974
UniProt ID:	<u>J3S6Y1</u>
Cytogenetics:	10 C1
Gene Summary:	Plays a critical role in tooth and hair follicle morphogenesis through regulation of the Notch signaling pathway. May play a role in development or function of the auditory system. [UniProtKB/Swiss-Prot Function]