OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC214878

Tsukushin (TSKU) (NM_015516) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	Tsukushin
Synonyms:	E2IG4; LRRC54; TSK
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_015516
Insert Size:	1496 bp

View online »

Insert Sequence:

>SC214878 3'UTR clone of NM_015516
The sequence shown below is from the reference sequence of NM_015516. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCTGCTGCCAGGGGCCCCACCATCTTGTGACAAATGGTGTGGCCCAGGGCCACATAACAGACTGCTGTC
CTGGGCTGCCTCAGGTCCCGAGTAACTTATGTTCAATGTGCCAACACCAGTGGGGAGCCCGCAGGCCTA
TGTGGCAGCGTCACCACAGGAGTTGTGGGCCTAGGAGAGGCTTTGGACCTGGGAGCCACACCTAGGAGC
AAAGTCTCACCCCTTTGTCTACGTTGCTTCCCCAAACCATGAGCAGAGGGACTTCGATGCCAAACCAGA
CTCGGGTCCCCTCCTGCTTCCCTTCCCCACTTATCCCCCAAGTGCCTTCCCTCATGCCTGGGCCGGCCT
GACCCGCAATGGGCAGAGGGTGGGTGGGACCCCCTGCTGCAGGGCAGAGTTCAGGTCCACTGGGCTGAG
TGTCCCCTTGGGCCCATGGCCCAGTCACTCAGGGGCGAGTTTCTTTTCTAACATAGCCCTTTCTTTGCC
ATGAGGCCATGAGGCCCGCTTCATCCTTTTCTATTTCCCTAGAACCTTAATGGTAGAAGGAATTGCAAA
GAATCAAGTCCACCCTTCTCATGTGACAGATGGGGAAACTGAGGCCTTGAGAAGGAAAAAGGCTAATCT
AAGTTCCTGCGGGCAGTGGCATGACTGGAGCACAGCCTCCTGCCTCCCAGCCCGGACCCAATGCACTTT
CTTGTCTCCTCTAATAAGCCCCACCCTCCCCGCCTGGGCTCCCCTTGCTGCCCTTGCCTGTTCCCCATT
AGCACAGGAGTAGCAGCAGCAGGACAGGCAAGAGCCTCACAAGTGGGACTCTGGGCCTCTGACCAGCTG
TGCGGCATGGGCTAAGTCACTCTGCCCTTCGGAGCCTCTGGAAGCTTAGGGCACATTGGTTCCAGCCTA
GCCAGTTTCTCACCCTGGGTTGGGGTCCCCCAGCATCCAGACTGGAAACCTACCCATTTTCCCCTGAGC
ATCCTCTAGATGCTGCCCCAAGGAGTTGCTGCAGTTCTGGAGCCTCATCTGGCTGGGATCTCCAAGGGG
CCTCCTGGATTCAGTCCCCACTGGCCCTGAGCACGACAGCCCTTCTTACCCTCCCAGGAATGCCGTGAA
AGGAGACAAGGTCTGCCCGACCCATGTCTATGCTCTACCCCCAGGGTAGCATCTCAGCTTCCGAACCCT
GGGCTGTTTCCTTAGTCTTCATTTTATAAAAGTTGTTGCCTTTTTAACGGAGTGTCACTTTCAACCGGC
CTCCCCTACCCCTGCTGGCCGGGGATGGAGACATGTCATTTGTAAAAGCAGAAAAAGGTTGCATTTGTT
CACTTTTGTAATATTGTCCTGGGCCTGTGTTGGGGTGTTGGGGGAAGCTGGGCATCAGTGGCCACATGG
GCATCAGGGGCTGGCCCCACAGAGACCCCACAGGGCAGTGAGCTCTGTCTTCCCCCACCTGCCTAGCCC
ATCATCTATCTAACCGGTCCTTGATTTAATAAACACTATAAAAAGTT
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_015516.4

Summary: Contributes to various developmental events and other processes such as wound healing and cholesterol homeostasis through its interactions with multiple signaling pathways. Wnt signaling inhibitor which competes with WNT2B for binding to Wnt receptor FZD4 and represses WNT2B-dependent development of the peripheral eye. Plays a role in regulating the hair cycle by controlling TGFB1 signaling. Required for the development of the anterior commissure in the brain by inhibiting neurite outgrowth. Essential for terminal differentiation of hippocampal neural stem cells. Plays a role in regulating bone elongation and bone mass by modulating growth plate chondrocyte function and overall body size. Required for development of the inner ear through its involvement in stereocilia formation in inner hair cells. Facilitates wound healing by inhibiting secretion of TGFB1 from macrophages which prevents myofibroblast differentiation, maintaining inflammatory cell quiescence. Plays a role in cholesterol homeostasis by reducing circulating high-density lipoprotein cholesterol, lowering cholesterol efflux capacity and decreasing cholesterol-to-bile acid conversion in the liver. In one study, shown to negatively regulate sympathetic innervation in brown fat, leading to reduced energy expenditure. In another study, shown not to affect brown fat thermogenic capacity, body weight gain or glucose homeostasis.[UniProtKB/Swiss-Prot Function]

Locus ID: 25987

MW: 53.4