

Product datasheet for **SC210535**

TRAF4AF1 (KNSTRN) (NM_001142762) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	TRAF4AF1
Synonyms:	C15orf23; HSD1I; SKAP; TRAF4AF1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PSI00062)
ACCN:	NM_001142762
Insert Size:	890 bp
Insert Sequence:	>SC210535 3'UTR clone of NM_001142762 The sequence shown below is from the reference sequence of NM_001142762. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AACTTTGCAAGAGGAGCTGAAGCTTTTAAACGAAACAGCCAAAAGCAGATGGAGGAGTTACAGGCCTT AAAGGTAAAGCTGGAGATGAAAGAGGAAAGAGTCCGATTCTAGAACAGCAAACCTTATGTAACAATCA AGTAAATGATTTAAACACAGCCCTTAAGGAAATGGAGCAGCTATTAGAAATGTAAGAAGAAGCAAGTGG CCAGATGGCTCCCTCTTGGGCATAAAATCTCAGAGGAAGCTACTTAGGACATCATCTTGCCATGATCT TCTGGGACTCACCATCTCCAGAATGAAAACAATTTCTACAGTAGACTTAAGGACAGTTTATGCTGAAAT GGCAATTCTCATTTAAGCAAGTTTTCCCAACCTTCAGGTTGGTCAGCCCTCTGAGCCTCACAGGTGG ATAATTGAGGCCTACAAGAGAGGGGAGCCTAGGAGCTTGGATTGACCTTCTAGTCAACCACTGACTTC AGCACACCATTACAATCGGGAGACTAAACCAACAACCAGAGGATCTAAATGTACATTTCAGATTTTCA GGAAAGAAAATCTTCATTACAGTGGAGCACAAATGTTCCATACAAGACATCATTGAGGAGCCATGCTGTC CCCTTCTAACCTGAAACACATTCTTTCCCATCTGGTTGGGCTTCTGTACCTCCTTATTAATTTATGAA CCTGAAGTTGCTTGAAGTGTGTTGGCTTAATAAATGGGGTGAAAGTATAGGTAGCAGTAACACCTACA TGAAACAATACACCTTGGATCTTTTAATCTAAATTAATTTCTTTTAAAGTCTACTTTTAAATAAAT ACTTCTGTAATATTCTGACTGTAACATTGAGGAATGAAAATAGCCTTTTAACTTAAAAA ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG </pre>
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:	<u>NM_001142762.1</u>
Summary:	Essential component of the mitotic spindle required for faithful chromosome segregation and progression into anaphase (PubMed:19667759). Promotes the metaphase-to-anaphase transition and is required for chromosome alignment, normal timing of sister chromatid segregation, and maintenance of spindle pole architecture (PubMed:19667759, PubMed:22110139). The astrin (SPAG5)-kinastrin (SKAP) complex promotes stable microtubule-kinetochore attachments (PubMed:21402792). Required for kinetochore oscillations and dynamics of microtubule plus-ends during live cell mitosis, possibly by forming a link between spindle microtubule plus-ends and mitotic chromosomes to achieve faithful cell division (PubMed:23035123). May be involved in UV-induced apoptosis via its interaction with PRPF19; however, these results need additional evidences (PubMed:24718257).[UniProtKB/Swiss-Prot Function]
Locus ID:	90417
MW:	33.1