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Product datasheet for SC102247

STAP2 (AK093701) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STAP2 (AK093701) Human Untagged Clone
Tag:	Tag Free
Symbol:	STAP2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for AK093701, the custom clone sequence may differ by one or more nucleotides

GTTTGATTAATTTGCTGGGGGGTGCTCACAGAACTCAGGGAAACACATGTTTACATTTACCAGTTTGCTC
CAAGGATATTGCAAAGGACACAGATGAAGGGCTGCGTGGGGCAGGGCATGGGGAAGATGTGGAGTCCTGT
GCCCTCCCTGGGCACCCCCCTCCAAGAGCCTCTGCATGTTCCGCCATCCAGAAGCTCCCTGAACCCTGTC
CTCTTGGATTTTTATGGGCGCTTCTTGATGTCAGCTTTCTTCCCCGCTGGTGGGGATGGGGCCTTCTCTG
AGGAGGATCGTATGAGCAACAGGAAAGGCTGGAGGAGAGAGATGTTTTGCCTGGCAGCTGAAAGGCGGAC
AGAAAGGACAGGGGAAGGTTGGGGAAGTTCTGTTTCCTGAGGCCTGACGCACCCGACCTTCTAACAGAAG
ACTGTAACAGGGCTGTGGGGTACACAAGCCAGGTGCCGTGGAGGAAAGCCTGTAGATAGATCCACATCAC
GGCACCACCACTTCTCCCCGTGGTTCACAGGCCCTCCCCAAGCATCCCAGGGCCCTCTGCTGTGAAGGCG
GCTCCCCCTGCCTCGCTACCTGGGCCCCCGCTCCCCTGTGCAGTGTGCTTATTTCAGTGCTGGTCTGACT
TGCTCTTCGTGGTGGTAAGCTCCATGAAGGCAGGACCATGCTCAGGGAGTTTCCTGTCCTTCACTGCCCC
AGGGATGTGGCAAATACTTAATCAGTGTTTGCCTATGGAGTGAACAGGTCCATGAATGGTCTTGGAAAAT
GATGTATCCCAGCACCATGGTGGTGGTCATTCATACGTGTTCTCATGACTTCTTTGCTTTTCCTAATGGT
GAGTTCGGTAGGCCAATTCATTTCTTGCTGAAAAGTGTGGTAAAGGCAAGTCTCCTAACTGGACCAAGAC
TACAGCCTGCAGAACGCGCAGGGCCTGGGCATGGGGAAGCACGGATGAGGAGCCTGCTGCTGATGCTGAG
CAGGAGCCGTGGAGGGGTCTACACCACTCTGCTGACTCTGCGTGATGAGGATTCAAAATGCCATTCACGC
AAAACAAATTTAGCAACTAAGAAGTAGAGCGGCGCGCTGCTTTAGAAGCACTATGTGTTAGCAGGTGTGG
TACACACCTGACTTTGCTTCTGTGGCTGAGGAAGGGGAATGAGTCTTCTGTGCGTAAATCTTTCCACAAG
CACCATCCTGGGTGTCCTGCCTGACCAGACTTGTGAGCCAGGGCCAGGTTGAAGCATGTGCCCAGGTGAA
AATTATGCATTATTTATTCATGTGAGCAACTCTGCGCCTATTTTGAAACATTCACTGCTTTGTTTTGTTT
GTTTTGTCTAATTGCATGAAAGATGTGGTAGGCAGAATAATGCCCCCCAACAAAAAGTGTCCACTTCTTA
ATCCCTGGAACCTGTGAATATGTTACCTTACTAGCAAAAGGGACTTTACAGATATGACTAAGGCTAAGGA
CCTTGAGTTGCAGAAATTATCCTGGACCATCCAGGCAGGCCTGGAGACATGAGTCCTCTAAAAACAGAGA
CTCTTTCCCAGCTGTGCTCAGAACCAGAGGTGACCACCAAAGAGAGATCAGAGCCATGCCATGTGAAAAG
GACTTGACTTGCCATTGCTGGCTTTCCAGATGATGAAGGGGCCTCAAGCCAAGGAATGTGGGCAGCTTCT
AGAAGATGGAAAAGGCAAACAAATATTCTCCCCTAGAGCTCTGGGAAGGAACACAGCTCTGCCACCTCCT
TGATTTTCACCCAGTGAAATTAGTTTTGGATTCCCAACCTATAGAACTGTAAAGTAACAAATTTGTGTTT
TAAGGCCAGGTGTGGTGGCTCACGCCTGTAATCTCAGCACTTTGGTTTTGGAAGGCCGAGGTGGGAGAAT
CATTTGAGGCCAGGAGTTCGAAACCAGCTTGGGCAACATAGTGAGACTCCATCTCTACACC

5' Read Nucleotide Sequence:

>OriGene 5' read for AK093701 unedited
GGGTTCACCATTATGTTATACGACTCATATAGGCGGCCGCGAATTCGGCACGAGGGGAAA
GGCTGGAGGAGAGAGATGTTTTGCCTGGCAGCTGAAAGCGGACAGAAAGGACAGGAGAAG
GTTGGGGAAGTTCTGTTTCCTGAGGCCTGACGCACCCGACCTTCTAACAGAAGACTGTAA
CAGGGCTGTGGGGTACACAAGCCAGGTGCCGTGGAGGAAAGCCTGTAGATAGATCCACAT
CACGGCACCACCACTTCTCCCCGTGGTTCACAGGCCCTCCCCAAGCATCCCAGGGCCCTC
TGCTGTGAAGGCGGCTCCCCCTGCCTCGCTACCTGGGCCCCCGCTCCCCTGTGCAGTGTG
CTTATTTCAGTGCTGGTCTGACTTGCTCTTCGTGGTGGTAAGCTCCATGAAGGCAGGACC
ATGCTCAGGGAGTTTCCTGTCCTTCACTGCCCCAGGGTTGTGGCAAATACTTAATCAGTG
TTTGCCTATGGAGTGAACAGGTCCATGAATGGTCTTGGAAAATGATGTATCCCAGCACCA
TGGTGGTGGTCATTCATACGTGTTCTCATGACTTCTTTGCTTTTCCTAATGGTGAGTTCG
GTAGGCCAATTCATTTCTTGCTGAAAAGTGTGGTAAAGGCAAGTCTCCTAACTGGACCAA
GACTACAGCCTGCAGAACGCGCANGGCCTGTGCATGGGGAAGCACGGATGAGGAGCCTGC
TGCTGATGCTGAGCANGAGCCGTGGATGGGTCTACACCACTCTGCTGACTCTGCGTGATG
ANGATTCAAAATGCCATCCACGCAAAACAAATTTAGCCACTAAGAAGTAGAGCGGCGCGC
TGCTTTAGAAGCCTATGTGTATCACGGTGGTGACACACACCTCTATTTTCTTTTTTGGCT
TCAGAAAGAAGGAAAAATATTTTTTTGGGCAATTATTTTTTACACAACCACCCTTCT

3' Read Nucleotide Sequence:

>OriGene 3' read for AK093701 unedited
AATAACTATGNACCGCGGCCCGCTTTCTAGNATCGAGTTTTTTTTTTTTTTTTTTGGTGT
AGAGATGGAGTCTCACTATGTTGCCCAAGCTGGTTTCGAACTCCTGGCCTCAAATGACTC
TCCCACCTCGGCCTTCCAAAACCAAAGTGCTGAGATCACAGGCGTGAGCCACCACACCTG
GCCTTAAAACACAAATTTGTTACTTTACAGTTCTACAGGTTGGGAATCCAAAACTAATTT
CACTGGGTGAAAATCAAGGAGGTGGCAGAGCTGTGTTCCTTCCCAGAGCTCTAGGGGAGA
ATATTTGTTTGCCTTTTCCATCTTCTAGAAGCTGCCCACATTCCTTGGCTTCAGGCCCCT
TCATCATCTGGAAAGCCAGCAATGGCAAGTCAAGTCCTTTTCACATGGCATGGCTCTGAT
CTCTCTTTGGTGGTCACCTCTGGTTCTGAGCACAGCTGGGAAAGAGTCTCTGTTTTTAGA
GGACTCATGTCTCCAGGCCTGCCTGGATGGTCCAGGATAATTTCTGCAACTCAAGGTCCT
TAGCCTTAGTCATATCTGTAAAGTCCCTTTTGCTAGTAAGGTAACATATTTACAGGTTCC
AGGGATTAAGAAGTGGACACCTTTTGTTGGGGGGCATTATTCTGCCTACCACATCTTTCA
TGCAATTAGACAAAACAAACAAAACAAAGCAGTGAATGTTTCAAAATAGGCGCAGAGTTG
CTCACATGAATAAATAATGCATAATTTTCACCTGGGCACATGCTTCAACCTGGCCCTGGC
TCACAAGTCTGGTCAGGCAGGACACCCAGGATGGTGCTTGTGGAAAGATTTACGCACAGA
AGACTCATTCCCCTTCCTCAGCCCAGAAGCAAGTCGGTGTGTACACACCTGCTACACATA
GTGCTTCTAAGCAGCGCGCGCTCTACTTA

Restriction Sites: NotI-NotI

ACCN: AK093701

Insert Size: 1500 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).

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: AK093701.1

RefSeq Size: 1951 bp

RefSeq ORF: 1951 bp

Locus ID: 55620

Cytogenetics: 19p13.3

Gene Summary: This gene encodes the substrate of breast tumor kinase, an Src-type non-receptor tyrosine kinase. The encoded protein possesses domains and several tyrosine phosphorylation sites characteristic of adaptor proteins that mediate the interactions linking proteins involved in signal transduction pathways. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008]