

## Product datasheet for RC237711

### ST13 (NM\_001278589) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ST13 (NM_001278589) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ST13
Synonyms:	AAG2; FAM10A1; FAM10A4; HIP; HOP; HSPABP; HSPABP1; P48; PRO0786; SNC6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237711 representing NM_001278589 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACCCCGCAAAGTGAACGAGCTTCGGCCCTTTGTGAAAATGTGTAAGCAGGATCCGAGCGTTCTGC  
ACACCGAGGAAATGCGCTTCCTGAGGGAGTGGGTGGAGAGCATGGGTGGTAAAGTACCACCTGCTACTCA  
GAAAGCTAAATCAGAAGAAAATACCAAGGAAGACTTAAAGGCAGACGAACCATCAAGTGAGGAAAGTGAT  
CTAGAAATTGATAAAGAAGGTGTGATTGAACCAGACACTGATGCTCCTCAAGAAATGGGAGATGAAATG  
CGGAGATAACGGAGGAGATGATGGATCAGGCAAAATGATAAAAAAGTGGCTGCTATTGAAGCCCTAAATGA  
TGGTGAATCCAGAAAGCCATTGACTTATTCACAGATGCCATCAAGCTGAATCCTCGCTTGGCCATTTTG  
TATGCCAAGAGGGCCAGTGTCTTCGTCAAATTACAGAAGCCAAATGCTGCCATCCGAGACTGTGACAGAG  
CCATTGAAATAAATCCTGATTGAGCTCAGCCTTACAAGTGGCGGGGAAAGCACACAGACTTCTAGGCCA  
CTGGGAAGAAGCAGCCCATGATCTTGCCCTTGCCTGTAATTTGGATTATGATGAAGATGCTAGTGAATG  
CTGAAAGAAGTTCAACCTAGGGCACAGAAAATGCAGAACATCGGAGAAAGTATGAGCGAAAACGTGAAG  
AGCGAGAGATCAAAGAAGAATAGAACGAGTTAAGAAGGCTCGAGAAGAGCATGAGAGAGCCAGAGGGA  
GGAAGAAGCCAGACGACAGTCAGGAGCTCAGTATGGCTCTTTCCAGGTGGCTTTCTGGGGAAATGCCT  
GGTAATTTTCCCGGAGGAATGCCTGGAATGGGAGGGGCATGCCTGGAATGGCTGGAATGCCTGGACTCA  
ATGAAATTCCTAGTGATCCAGAGTTCTTGACGCCATGCAGGATCCAGAAGTTATGGTGGCTTTCCAGGA  
TGTGGCTCAGAACCCAGCAAATATGTCAAATACCAGAGCAACCCAAAGTTATGAATCTCATCAGTAAA  
TTGTCAGCCAAATTTGGAGGTCAAGCG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237711 representing NM\_001278589  
Red=Cloning site Green=Tags(s)

MDPRKVNELRAFVKMCKQDPSVLHTEEMRFLREWVESMGKVPATQKAKSEENTKEDLKADEPSSEESD  
 LEIDKEGVIEPDTDAPQEMGDENAEITEEMMDQANDKKVAAIEALNDGELQKAIDLFTDAIKLNPRILAIL  
 YAKRASVFKLQKPNAAIRDCDRAIEINPDSAQPYKWRGKAHRLLGHWEEAAHDLALACKLDYDEDASAM  
 LKEVQPRAQKIAEHRKRYERKREEREIKERIERVKKAREEHERAQREEEARRQSGAQYGSFPGGFPGGMP  
 GNFPGGMPGMGGMPGMAGMPGLNEILSDPEVLAAMQDPEVMVAFQDVAQNPANMSKYQSNPKVMNLIISK  
 LSAKFGGQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

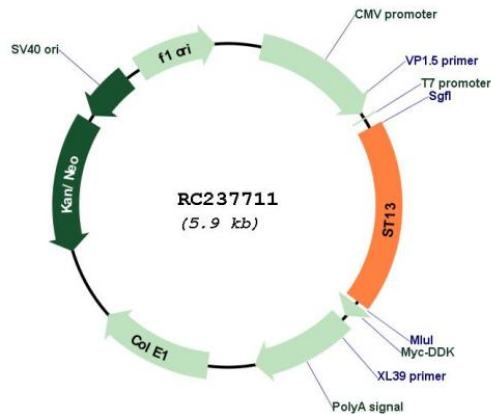
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001278589

<b>ORF Size:</b>	1077 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001278589.1</a> , <a href="#">NP_001265518.1</a>
<b>RefSeq Size:</b>	3567 bp
<b>RefSeq ORF:</b>	1080 bp
<b>Locus ID:</b>	6767
<b>Cytogenetics:</b>	22q13.2
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	40.6 kDa
<b>Gene Summary:</b>	The protein encoded by this gene is an adaptor protein that mediates the association of the heat shock proteins HSP70 and HSP90. This protein has been shown to be involved in the assembly process of glucocorticoid receptor, which requires the assistance of multiple molecular chaperones. The expression of this gene is reported to be downregulated in colorectal carcinoma tissue suggesting that it is a candidate tumor suppressor gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2013]