

Product datasheet for **RG237711**

ST13 (NM_001278589) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ST13 (NM_001278589) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ST13
Synonyms:	AAG2; FAM10A1; FAM10A4; HIP; HOP; HSPABP; HSPABP1; P48; PRO0786; SNC6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237711 representing NM_001278589. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACCCCGCAAAGTGAACGAGCTTCGGGCCTTTGTGAAAATGTGTAAGCAGGATCCGAGCGTTCTG
CACACCGAGGAAATGCGCTTCCTGAGGGAGTGGGTGGAGAGCATGGGTGGTAAAGTACCACCTGCTACT
CAGAAAGCTAAATCAGAAGAAAATACCAAGGAAGACTTAAAGGCAGACGAACCATCAAGTGAGGAAAGT
GATCTAGAAATTGATAAAGAAGGTGTGATTGAACCAGACACTGATGCTCCTCAAGAAATGGGAGATGAA
AATGCGGAGATAACGGAGGAGATGATGGATCAGGCAAATGATAAAAAAGTGGCTGCTATTGAAGCCCTA
AATGATGGTGAACCTCAGAAAGCCATTGACTTATTCACAGATGCCATCAAGCTGAATCCTCGCTTGCC
ATTTTGTATGCCAAGAGGGCCAGTGTCTTCGTCAAATTACAGAAGCCAAATGCTGCCATCCGAGACTGT
GACAGAGCCATTGAAATAAATCCTGATTGACTCAGCCTTACAAGTGGCGGGGAAAGCACACAGACTT
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AAACGTGAAGAGCGAGAGATCAAAGAAAGAATAGAACGAGTTAAGAAGGCTCGAGAAGAGCATGAGAGA
GCCAGAGGGAGGAAGAAGCCAGACGACAGTCAAGAGCTCAGTATGGCTCTTTCCAGGTGGCTTTCCT
GGGGGAATGCCTGGTAAATTTCCCGGAGGAATGCCTGGAATGGGAGGGGGCATGCCTGGAATGGCTGGA
ATGCCTGGACTCAATGAAATCTTAGTGATCCAGAGGTTCTTGCCAGCCATGCAGGATCCAGAAGTTATG
GTGGCTTCCAGGATGTGGCTCAGAACCAGCAAATATGTCAAATACCAGAGCAACCCAAAGGTTATG
AATCTCATCAGTAAATTGTCAGCCAAATTTGGAGGTCAAGCG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237711
 Blue=ORF Red=Cloning site Green=Tag(s)

MDPRKVNELRAFVKMCKQDPSVLHTEEMRFLREWVESMGGKVPATQKAKSEENTKEDLKADEPSSEES
 DLEIDKEGVIEPDTDAPQEMGDENAEITEEMDQANDKKVAAIEALNDGELQKAIDLFTDAIKLNPRLA
 ILYAKRASVFKLQKPNAAIRDCDRAIEINPDSAQPYKWRGKAHRLLGHWEEAAHDLALACKLDYDEDA
 SAMLKEVQPRAQKIAEHRRKYERKREEREIKERIERVKKAREEHERAQREEEARRQSGAQYGSFPGGFP
 GGMPGNFPGMPPGMGGMPGMAGMPGLNEILSDPEVLAAMQDPEVMVAFQDVAQNPANMSKYQSNPKVM
 NLI SKLSAKFGGQA
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001278589

ORF Size: 1077 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

RefSeq: [NM_001278589.1](#), [NP_001265518.1](#)

RefSeq Size: 3567 bp

RefSeq ORF: 1080 bp

Locus ID: 6767

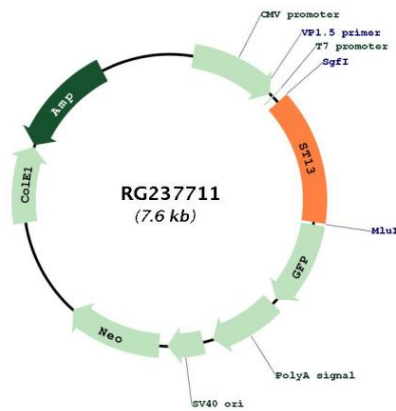
Cytogenetics: 22q13.2

Protein Families: Druggable Genome

MW: 40.6 kDa

Gene Summary: 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]

Product images:



Circular map for RG237711