

Product datasheet for **RC224880**

ST20 (NM_001100879) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ST20
Synonyms:	HCCS-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC224880 representing NM_001100879
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGCGATCTCGGCTCACTGCAACCTCTGTCTCCAGGTTCAAGGAAATGGCTTTGTAAGAAGCTTG
AGCCTAAATCTGGCTGGATGACTTTTCTAGAAGTTACAGGAAAGATCTGTGAAATGCTCTTCTGCTCTGA
AGCAATACTGTTGACCAGAAAGGACACTCCATATTGTGAAACCGGCCTAATTTTCTGACTCTTACGAAA
ACGATTGCCAACACATACTTCTACTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224880 representing NM_001100879
Red=Cloning site Green=Tags(s)

MARSRLTATSVSQVQENG FVKKLEPKSGWMTFLEVTGKICEMLCPEAILLTKRDTPTYCETGLIFLTLTK
TIANTYFYF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8044_e03.zip

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001100879

ORF Size: 237 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).

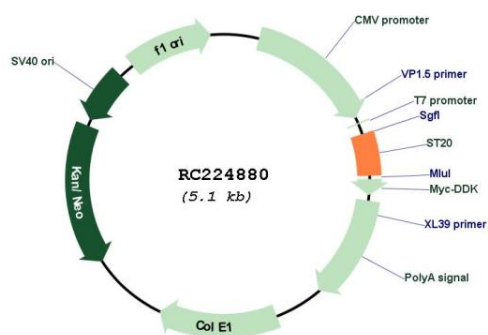
Reconstitution Method:

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.

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

RefSeq:	<u>NM_001100879.1, NP_001094349.1</u>
RefSeq Size:	1025 bp
RefSeq ORF:	240 bp
Locus ID:	400410
Cytogenetics:	15q25.1
MW:	8.8 kDa
Gene Summary:	May act as a tumor suppressor. Promotes apoptosis of cancer cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC224880