

Product datasheet for **RC228274**

STEAPIB (NM_001164460) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	STEAPIB
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC228274 representing NM_001164460
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGAAGCAGAAAGACATCACAACCAAGAAGAAATTTGAAAATGAAGCCTAGGAGAAATTTAGAAG
ACAACGATTATTTGCATGAGGACACGGGAGAGACCAGCATGCTAAAAGACCTGTGCTTTTGCATTTGCA
GCAAAACAGCCCATGCTGATGAATTTGACTGCCCTTCAGAACTTCAGCACGCACAGGAATCTTCCACAG
TGGCACTTGCCAATTAATAAGCTGCTGTTATGGCATCTCTGACTTTTCTTTACACTCTTCTGAGGGAAG
TAATTCACCCTTTAGCAACTTCCCATCAACAATATTTTATAAAATCCAATCCTGGTCATCAACAAAGT
CTTGCCAATGGTTTCCATCACTCTCTTGGCATTGGTTTACCTACCAGGTGTGATAGCAGCAATTGTCCAA
GTTCAATATGGAACCAAGTATAAGAAGTTTCCACATTGGTTGGATAAGTGGATGTTAACAAGAAAGCAGT
TTGGGCTTCTCAGTTTGTTTTTGCTGTACTGCATGCAATTTATACTCTGTCTTACGCAATGAGGCGATC
CTACAGATACAAGTTGCTAAACTGGGCATATCAACAGGTCCAACAAAATAAGAAGATGCCTGGATTGAG
CATGATGTTTGGAGAATGGAGATTTATGTGTCTCTGGGAATTGTGGGACTGGCAATACTGGCTCTGTTGG
CTGTGACATCTATTCCATCTGTGAGTGACTCTTTGACATGGAGAGAATTTCACTATATTCAAGCTATACT
GACTGGAAGCCTGGTAGCTTTGTGCACTTTCAAGGCCACTAACTGGCCAAGACACAAGTGGTAGGCACA
CCAAATTTCTGGCAGGAGCAGCAGTGTGGAATCCATTTCCACCACCTTCAAGACTAGGAGTTATATAT
ACTTCATTTTATCAGCAGCCAGCCCTTCAAAGGGAAATGTTAGCTCTCACATGTTTCAGCTTCATCTAGA
AAATCTCAATAAAAAAGACAAGTTATTGCTGATCATCTTTCAGATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC228274 representing NM_001164460

Red=Cloning site Green=Tags(s)

MESRKDITNQEEIWKMPRRNLEDNDYLHEDTGETSMLKRPVLLHLQQTAAHAEFDCPSELQHAQELFPQ
WHLPIKIAAVMASLTFLYTLREVIHPLATSHQQYFYKIPILVINKVLPMSITLLALVYLPGVIAAIVQ
VHNGTKYKKFPHWLDKWLTRKQFGLLSLFFAVLHAIYTL SYAMRRSYRYKLLNWAYQQVQNKEDAWIE
HDVWRMEIYVSLGIVGLAILALLAVTIPSVSDSL TWREFHYIQAILTGSLVALCNFQATKLAKTQLVGT
PNFWQEQQCGIHFPSPSKTRSYIYFILSAASPSKGNVSSHMFQLHLENLNKKDKLLLIIFQI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8007_a08.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001164460

ORF Size:

1026 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: [NM_001164460.2](#)

RefSeq ORF: 1029 bp

Locus ID: 256227

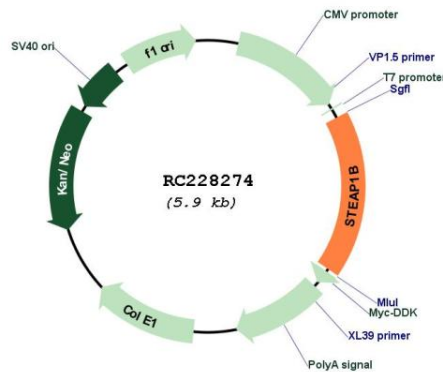
UniProt ID: [Q6NZ63](#)

Cytogenetics: 7p15.3

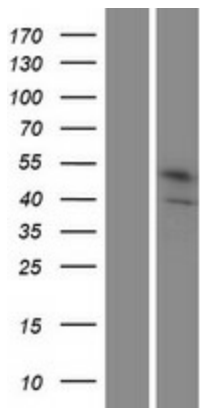
Protein Families: Transmembrane

MW: 39.5 kDa

Product images:



Circular map for RC228274



Western blot validation of overexpression lysate (Cat# [LY431302]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC228274 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).