

Product datasheet for **RC219129**

STEAP2 (NM_152999) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STEAP2 (NM_152999) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	STEAP2
Synonyms:	IPCA1; PCANAP1; PUMPCn; STAMP1; STMP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC219129 representing NM_152999
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAATCAATCTCTATGATGGGAAGCCCTAAGAGCCTTAGTGAACCTTTTTACCTAATGGCATAAATG
 GTATCAAAGATGCAAGGAAGTCACTGTAGGTGTGATTGGAAGTGGAGATTTTGCCAAATCCTTGACCAT
 TCGACTTATTAGATGCGGCTATCATGTGGTCATAGGAAGTAGAAATCCTAAGTTTGCTTCTGAATTTTT
 CCTCATGTGGTAGATGTCACTCATCATGAAGATGCTCTCACAAAAACAAATATAATATTTGTTGCTATAC
 ACAGAGAACATTATACCTCCCTGTGGGACCTGAGACATCTGCTTGTGGTAAAACTCTGATTGATGTGAG
 CAATAACATGAGGATAAACCAGTACCCAGAATCCAATGCTGAATATTTGGCTTATTATCCAGATTCT
 TTGATTGTCAAAGGATTTAATGTTGTCTCAGCTTGGGCACTTCAGTTAGGACCTAAGGATGCCAGCCGGC
 AGGTTTATATGTCAGCAACAATATTCAAGCGCGACAACAGGTTATTGAACTTGCCCGCCAGTTGAATTT
 CATTCCCATTGACTTGGGATCCTTATCATCAGCCAGAGAGATTGAAAATTTACCCCTACGACTCTTACT
 CTCTGGAGAGGGCCAGTGGTGGTAGCTATAAGCTTGGCCACATTTTTTTTCTTTTATTCTTTGTACAGAG
 ATGTGATTCATCCATATGCTAGAAACCAACAGAGTGACTTTTACAAAATCCTATAGAGATTGTGAATAA
 AACCTTACCTATAGTTGCCATTACTTTGCTCTCCCTAGTATACCTCGCAGGCTTCTGGCAGCTGCTTAT
 CACTTTATTACGGCACCAAGTATAGGAGATTTCCACCTTGGTTGGAAACCTGGTTACAGTGTAGAAAAC
 AGCTTGGATTACTAAGTTTTTCTCGCTATGGTCCATGTTGCCTACAGCCTCTGCTTACCGATGAGAAG
 GTCAGAGAGATATTTGTTTCTCAACATGGCTTATCAGCAGGTTTCATGCAAAATTTGAAAACCTTGGAA
 GAGGAAGAAGTTTGGAGAATTGAAATGTATATCTCCTTTGGCATAATGAGCCTTGGCTTACTTTCCCTCC
 TGGCAGTCACTTCTATCCCTTCACTGAGCAATGCTTTAACTGGAGAGAATTCAGTTTTTATTCAGCTTAC
 ACTTGGATATGTCGCTCTGCTCATAAAGTACTTTCCATGTTTTAATTTATGGATGGAAACGAGCTTTTGAG
 GAAGAGTACTACAGATTTTATACACCACCAAACTTTGTTCTTGCTCTTGTGTTTGGCCTCAATTGTAATTC
 TGGGTAAGATTATTTTATCCTTCCATGTATAAGCCGAAAGCTAAAACGAATTAAGGCTGGGAAAA
 GAGCCAATTTCTGGAAGAAGGATTGGAGGAACAATTCCTCATGTCTCCCGGAGAGGGTACAGTAATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC219129 representing NM_152999
 Red=Cloning site Green=Tags(s)

MESISMMGSPKSLSETFLPNGINGIKDARKVTVGVIGSGDFAKSLTIRLIRCGYHVIVIGSRNPKFASEFF
 PHVVDVTHHEDALTKTNIIFVAIHREHYTSLWDLRHLVKGKILIDVSNMNRINQYEPESNAEYLASLFPDS
 LIVKGFNVVSAWALQLGPKDASRQVYICSNNIQARQQVIELARQLNFIPIIDLGSLSSAREIENLPLRLFT
 LWRGPVVVAISLATFFFLYSFVRDVIHPYARNQQSDFYKIPIEIVNKTLPIVAITLLSLVYLAGLLAAAY
 QLYYGTKYRRFPWLETWLQCRKQLGLLSFFFAMVHVAYSCLPMRRSERYLFLNMAYQQVHANIENSWN
 EEEVWRIEMYISFGIMSLGLLSLLAVTIPSVSNALNWREFSFIQSTLGYVALLISTFHVLIYGWKRAFE
 EYYRFYTPPNFVLAALVLPISIVILGKIIILFLPCISRKLKRIKKGWEKSQFLEEGIGGTIPHVSPERVTVM

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cytogenetics: 7q21.13

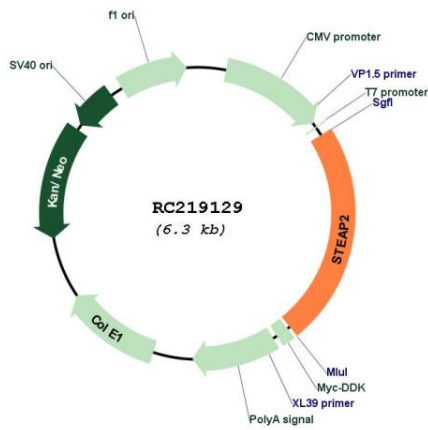
Domains: F420_oxidored

Protein Families: Transmembrane

MW: 55.9 kDa

Gene Summary: This gene is a member of the STEAP family and encodes a multi-pass membrane protein that localizes to the Golgi complex, the plasma membrane, and the vesicular tubular structures in the cytosol. A highly similar protein in mouse has both ferrireductase and cupric reductase activity, and stimulates the cellular uptake of both iron and copper in vitro. Increased transcriptional expression of the human gene is associated with prostate cancer progression. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC219129