

Product datasheet for SC117725

IQGAP1 (NM_003870) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IQGAP1 (NM_003870) Human Untagged Clone
Tag:	Tag Free
Symbol:	IQGAP1
Synonyms:	HUMORFA01; p195; SAR1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_003870 edited

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**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_003870 unedited
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 GGCATNCACTTACCAGNATATACTNNTACCAGNCTAGCAGACANNATGACAATGCTAA
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**3' Read Nucleotide
Sequence:**

>OriGene 3' read for NM_003870 unedited
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 TATGATAAAAGAACTACTGAATCAAAACATCAAAGAAAGAAATAGAGGCTCAGCAGCATG
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 CACCCCAACTCCCTATTTGACAATGAACACCACCCCTCTTTCTTTTTTCTAAACACG
 TTTCTG

Restriction Sites:	NotI-NotI
ACCN:	NM_003870
Insert Size:	6500 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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.
RefSeq:	<u>NM_003870.3</u> , <u>NP_003861.1</u>
RefSeq Size:	7219 bp
RefSeq ORF:	4974 bp
Locus ID:	8826
UniProt ID:	<u>P46940</u>
Cytogenetics:	15q26.1
Domains:	IQ, RasGAP_C, WW, CH, RasGAP
Protein Families:	Druggable Genome
Protein Pathways:	Adherens junction, Regulation of actin cytoskeleton
Gene Summary:	This gene encodes a member of the IQGAP family. The protein contains four IQ domains, one calponin homology domain, one Ras-GAP domain and one WW domain. It interacts with components of the cytoskeleton, with cell adhesion molecules, and with several signaling molecules to regulate cell morphology and motility. Expression of the protein is upregulated by gene amplification in two gastric cancer cell lines. [provided by RefSeq, Jul 2008]