

Product datasheet for **RC225252**

CAPON (NOS1AP) (NM_001126060) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CAPON (NOS1AP) (NM_001126060) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CAPON
Synonyms:	6330408P19Rik; CAPON; NPHS22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC225252 representing NM_001126060 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGTCCCTCTTCTCTCTGTCTTCTCTGCGCTGCCTCTTCTCTGCAGGTACACTTGCTGAAGG
ACCAGTTGGCTGCTGAGGCTGCGGCGGGCTGGAGGCCAGGCTCGCGTGCATCAGCTTTTGCTGCAGAA
CAAGGACATGCTCCAGCACATCTCCCTGCTGGTCAAGCAGGTGCAAGAGCTGGAAGCTGAAGCTGTCAGGA
CAGAACGCCATGGGCTCCAGGACAGCTTGTGGAGATCACCTTCGGCTCCGGAGCCCTGCCGTGCTCT
GTGACCCACGACCCCTAAGCCAGAGGACCTGCATTTCGGCGCGCTGGGCGGGCTTGGCTGACTTTGC
CCACCCTGCGGGCAGCCCTTAGGTAGGCGGACTGCTTGGTGAAGCTGGAGTGCTTTCGCTTTCTCCG
CCCGAGGACACCCGCCCCAGCGCAGGGCGAGGCGCTCCTGGGCGGTCTGGAGCTCATCAAGTCCGAG
AGTCAGGCATCGCTCGGAGTACGAGTCCAACACGGACGAGAGCGAGGAGCGGACTCGTGGTCCCAGGA
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GTG

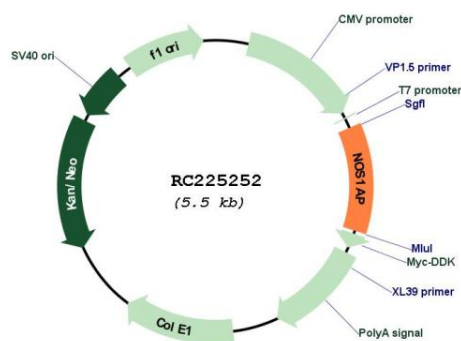
ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



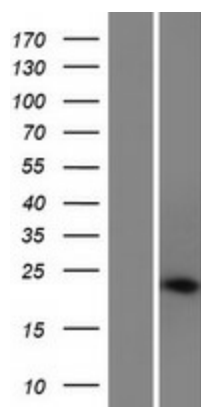
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Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. 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_001126060.1</u> , <u>NP_001119532.2</u>
RefSeq ORF:	636 bp
Locus ID:	9722
UniProt ID:	<u>O75052</u>
Cytogenetics:	1q23.3
MW:	22.8 kDa
Gene Summary:	This gene encodes a cytosolic protein that binds to the signaling molecule, neuronal nitric oxide synthase (nNOS). This protein has a C-terminal PDZ-binding domain that mediates interactions with nNOS and an N-terminal phosphotyrosine binding (PTB) domain that binds to the small monomeric G protein, Dexras1. Studies of the related mouse and rat proteins have shown that this protein functions as an adapter protein linking nNOS to specific targets, such as Dexras1 and the synapsins. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2009]

Product images:



Circular map for RC225252



Western blot validation of overexpression lysate (Cat# [LY426640]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225252 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).