

Product datasheet for **SC329212**

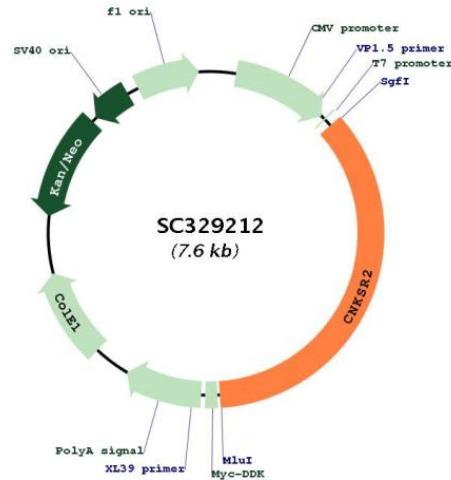
CNKSR2 (NM_001168648) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNKSR2 (NM_001168648) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNKSR2
Synonyms:	CNK2; KSR2; MAGUIN; MRXSHG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Plasmid Map:


ACCN: NM_001168648

Insert Size: 2697 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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.

RefSeq: [NM_001168648.1](#)

RefSeq Size: 4519 bp

RefSeq ORF: 2697 bp

Locus ID: 22866

UniProt ID: [Q8WXI2](#)

Cytogenetics: Xp22.12

MW: 101.9 kDa

Gene Summary: This gene encodes a multidomain protein that functions as a scaffold protein to mediate the mitogen-activated protein kinase pathways downstream from Ras. This gene product is induced by vitamin D and inhibits apoptosis in certain cancer cells. It may also play a role in ternary complex assembly of synaptic proteins at the postsynaptic membrane and coupling of signal transduction to membrane/cytoskeletal remodeling. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2009]
Transcript Variant: This variant (3, also known as CNK2B and MAGUIN-2) differs in the 3' UTR and 3' coding region, compared to variant 1. It encodes isoform 3 which has a shorter and distinct C-terminus, compared to isoform 1.