

Product datasheet for **SC321332**

EIPR1 (NM_003310) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EIPR1 (NM_003310) Human Untagged Clone
Tag:	Tag Free
Symbol:	EIPR1
Synonyms:	EIPR-1; TSSC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_003310.1
AATGAATGGGCGCTGGGAACACGCCCGCAGGTGGGGACGCGCCGGCCGTAGCGAGGTCC
TTAGCGTGTGAGTGGCCGGGGTCGGGTGCGTTCCCCGCAGCATGGAGGACGATGCACCAG
TGATCTACGGGCTGGAGTTCCAGGCACGTGCCTAACACCTCAAACCTGCAGAAACAGATG
CCATTCGGTTTTTGGTTGGGACGCAGTCTTAAATATGATAATCAGATCCATATCATAG
ATTTTGACGATGAAAACAACATTATAAAATAAAATGTCCTCCTCCATCAAGCGGGTGAAA
TCTGGCATATTAGCGCTAGCCCTGCAGACAGAGGTGTGCTGACGACCTGCTACAACAGAA
CTTCAGACAGCAAAGTCCTGACATGTGCAGCCGTGTGGAGGATGCCGAAGGAATTGGAAT
CAGGCAGCCACGAGTCCCCTGATGATTCATCCAGCACTGCACAGACCCTGGAGCTGCTCT
GTCACCTTGACAACACAGCCCATGGCAACATGGCCTGTGTGCTGTGGGAGCCAATGGGAG
ATGGGAAGAAAATCATTTCCTTGGCTGATAACCATATCCTGCTGTGGGATTTACAGGAAA
GCTCGAGCCAGGCTGTGCTGGCCAGCTCAGCGTCCCTGGAAGGGAAGGGACAACCTGAAAT
TCACCTCAGGACGGTGGAGCCACATCATAACTGCACCCAGGTGGCCACAGCGAACGACA
CCACCCTCGTGGCTGGGACACCCGGAGCATGAGCCAGATCTACTGCATAGAGAATGCC
ACGGACAGCTGGTGGGACCTTGAATTAATCCAATAAGCAGTACTACTTGGCCAGCT
GCGGAGACGACTGTAAGGTGAAGTTCTGGGACACCCGAAATGTCACCGAACCCGTGAAGA
CCCTGGAGGAGCACTCCCACTGGGTGTGGAACGTCGCTACAACCACTCTCATGACCAGC
TGGTCTCACGGGACGAGTGCAGCAGAGTATCCTTTCCAACATGGTGTCCATCTCGT
CGGAGCCCTTCGGCCACTTGGTAGACGACGATGACATCAGTGACCAGGAGGACCACCGTT
CTGAAGAGAAGAGCAAGGAGCCCTGCAGGACAACGTGATCGCCACCTACGAGGAGCAG
AGGACAGCGTCTATGCCGTGGACTGGTCTCGGCTGACCCGTGGCTGTTTGCCTCCCTGA
GCTATGACGGGAGGCTCGTGATCAACAGGGTCCCAGGGCCCTGAAGTACCACATCCTGC
TATGACTCCCGGGCTGGGTTATCCAGGTCCATTGAGTGGTTTTCTCTTGGCAGATT
TCAAACAGTTGCAGCTCTTTGGAGGTGACTCGTGTTCAGGTGGATCCCTCTCTGGGAGA
GCCGCTGTTCCTTCTGTAGCAGCAGCATTTATGAATGGGGTGAATGGGGCTATTGTGC
ACGGCACAGCTAATGCCCGAACCCAGCCCTGTGCGCAGAGACAGAGCCACATTATTA
TGTGAATAACAATGTTTTCTGTTTTAAGGGTGTGAGGATTTTCGTTTTTAAAAAATGT
CTGTTCTGCAGTAGTAACCTCTTCTTCTTGTGAGAGTAAAAAATGAAATAAAATAAATC
CACGCTGCAA
AAA

Restriction Sites: Please inquire

ACCN: NM_003310

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_003310.1](#), [NP_003301.1](#)

RefSeq Size: 1705 bp

RefSeq ORF: 1164 bp

Locus ID: 7260

UniProt ID: [Q53HC9](#)

Cytogenetics: 2p25.3

Domains: WD40

Protein Families: Druggable Genome

Gene Summary: This gene has been reported in PMID 9403053 as one of several tumor-suppressing subtransferable fragments located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. Alignment of this gene to genomic sequence data suggests that this gene resides on chromosome 2 rather than chromosome 11. [provided by RefSeq, Dec 2008]

Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The encoded isoform (2) is shorter than isoform 1.