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Product datasheet for SC317325

CHIC1 (NM_001039840) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	CHIC1
Synonyms:	BRX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317325 representing NM_001039840. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGAGCATCCTGCTGCCCAACATGGCGGAGTTCGACACCATCTCGGAACTGGAGGAGGAGGAGGAAGAA GAAGCGGCAACGTCGTCGTCGTCGCCGTCGTCGTCGTCGTCGGTATCTGGGCCCGACGATGACGAGGAG GATGAGGAGGAAGAGGAGGAAGAGGAGGAGGAGGAAGAAGAGGAGGAGGAGGAAGAGGAGGAGGAAGCG CCGCCCCCGCCTCGGGTAGTGAGCGAGGAGCATCTGCGGAGATATGCTCCCGACCCTGTATTAGTGCGG GGTGCCGGCCACATCACTGTGTTTGGCTTGAGCAACAAGTTTGATACTGAATTTCCCTCCGTTCTAACA GGGAAGGTGGCCCCAGAAGAATTTAAAACCAGCATTGGCCGTGTGAATGCATGTTTGAAAAAGGCTCTC CCGGTCAATGTGAAATGGCTGCTGTGTGGTTGTCTCTGCTGCTGTTGCACACTGGGTTGCAGCCTATGG CCTGTTATTTGTCTCAACAAAAGAACCAGAAGATCAATTCAGAAGTTAATAGAATGGGAAAATAACAGA TTATATCACAAGCTTGCTTTGCACTGGAAGTTGACTAAGAGGAAATGTGAAACTAGCAATATGATGGAG TATGTAATACTAATAGAATTCTTACCAAAATATCCCATATTCCGACCTGACTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_001039840
Insert Size:	675 bp

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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001039840.2
RefSeq Size:	6909 bp
RefSeq ORF:	675 bp
Locus ID:	53344
UniProt ID:	Q5VXU3
Cytogenetics:	Xq13.2
Protein Families:	Transmembrane
MW:	25.6 kDa

Gene Summary:

This gene encodes a cysteine-rich hydrophobic (CHIC) domain-containing protein, and is one of the few protein-coding genes found near the X-inactivation center. Studies in mouse indicate that the mouse ortholog of this gene is subject to X-inactivation in mouse. Experiments with other CHIC domain-containing family members show that the cysteine residues are palmitoylated post-translationally, resulting in membrane association. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2017]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.