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Product datasheet for SC331019

CREB3L3 (NM_001271997) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CREB3L3 (NM_001271997) Human Untagged Clone
Tag:	Tag Free
Symbol:	CREB3L3
Synonyms:	CREB-H; CREBH; HYST1481; HYTG2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Neo
E. coli Selection:	Ampicillin (100 ug/mL)
Restriction Sites:	SgfI-MluI
ACCN:	NM_001271997
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:	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_001271997.1, NP_001258926.1
RefSeq Size:	2517 bp
RefSeq ORF:	1014 bp
Locus ID:	84699

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UniProt ID:	Q68CJ9
Cytogenetics:	19p13.3
Protein Families:	Transcription Factors
Protein Pathways:	Huntington's disease, Melanogenesis, Prostate cancer
Gene Summary:	This gene encodes a member of the basic-leucine zipper family and the AMP-dependent transcription factor family. The encoded protein is localized to the endoplasmic reticulum and acts as a transcription factor activated by cyclic AMP stimulation. The encoded protein binds the cyclic AMP response element (CRE) and the box-B element and has been linked to acute inflammatory response, hepatocellular carcinoma, triglyceride metabolism, and hepcidin expression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012] Transcript Variant: This variant (4) lacks an exon in the coding region which results in a frameshift, compared to variant 1. The encoded isoform (d) is shorter and has a distinct C-terminus, compared to isoform a.