

Product datasheet for **SC329446**

DDIT3 (NM_001195055) Human Untagged Clone

Product data:

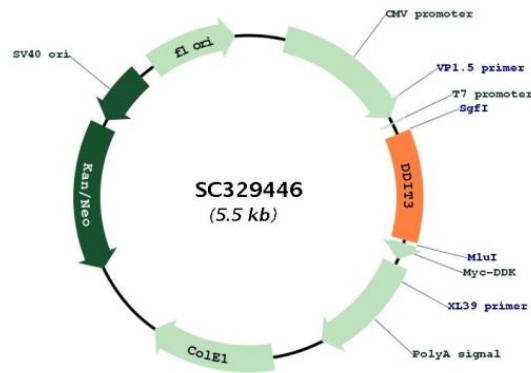
Product Type: Expression Plasmids
Product Name: DDIT3 (NM_001195055) Human Untagged Clone
Tag: Tag Free
Symbol: DDIT3
Synonyms: AltDDIT3; C/EBPzeta; CEBPZ; CHOP; CHOP-10; CHOP10; GADD153
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329446 representing NM_001195055.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAGCTTGTTCCAGCCACTCCCATTATCCTGCAGATGTGCTTTCCAGACTGATCCAACCTGCAGAG
ATGGCAGCTGAGTCATTGCCTTTCTCCTTCGGGACTGTCCAGCTGGGAGCTGGAAGCCTGGTATGAG
GACCTGCAAGAGGTCCTGTCTTCAGATGAAAATGGGGTACCTATGTTTCACCTCCTGGAATGAAGAG
GAAGAATCAAAAATCTTCACCACTCTTGACCCTGCTTCTCTGGCTGGCTGACTGAGGAGGAGCCAGAA
CCAGCAGAGGTCACAAGCACCTCCAGAGCCCTCACTCTCCAGATTCCAGTCAGAGCTCCCTGGCTCAG
GAGGAAGAGGAGGAAGACCAAGGAGAACCAGGAAACGGAACAGAGTGGTCATTCCCAGCCCGGGCT
GGAAGCAGCGCATGAAGGAGAAAGAACAGGAGAATGAAAGGAAAGTGGCACAGCTAGCTGAAGAGAAT
GAACGGCTCAAGCAGGAAATCGAGCGCCTGACCAGGGAAGTAGAGGCGACTCGCCGAGCTCTGATTGAC
CGAATGGTGAATCTGCACCAAGCATGA
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001195055

Insert Size: 579 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).

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_001195055.1](#)

RefSeq Size: 1005 bp

RefSeq ORF: 579 bp

Locus ID: 1649

UniProt ID: [P35638](#)

Cytogenetics: 12q13.3

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: MAPK signaling pathway

MW: 21.7 kDa

Gene Summary: This gene encodes a member of the CCAAT/enhancer-binding protein (C/EBP) family of transcription factors. The protein functions as a dominant-negative inhibitor by forming heterodimers with other C/EBP members, such as C/EBP and LAP (liver activator protein), and preventing their DNA binding activity. The protein is implicated in adipogenesis and erythropoiesis, is activated by endoplasmic reticulum stress, and promotes apoptosis. Fusion of this gene and FUS on chromosome 16 or EWSR1 on chromosome 22 induced by translocation generates chimeric proteins in myxoid liposarcomas or Ewing sarcoma. Multiple alternatively spliced transcript variants encoding two isoforms with different length have been identified. [provided by RefSeq, Aug 2010]
Transcript Variant: This variant (3) lacks an internal segment in the 5' UTR, as compared to variant 1. Variants 1-4 encode the same isoform 1.