

Product datasheet for **RC216425**

BTB domain containing 5 (KLHL28) (NM_017658) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BTB domain containing 5 (KLHL28) (NM_017658) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BTB domain containing 5
Synonyms:	BTBD5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC216425 representing NM_017658
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCACACATCCCCGACCTACATGCTTGCTAACTTAACCCACTTGCATTCTGAACAACCTTCTGCAGG
 GCTTGAATCTTCTCGCCAACATCACGAACTCTGTGACATCATTCTCGAGTAGGTGATGTTAAAATTCA
 TGCTCACAAAGTGGTACTTGGCAGCGTCAGCCCGTATTTCAAAGCTATGTTCACTGGAAACCTTTCTGAA
 AAAGAGAACAGTGAGGTTGAGTTCAATGCATTGATGAACTGCTCTCCAGGCCATTGTGGAGTATGCCT
 ATACAGGGACTGTTTTATTTCTCAGGACACAGTTGAATCTCTCCTGCCAGCAGCAAACCTACTCCAGAT
 AAAACTTGTCTGAAAGAATGTTGTGCATTTCTGAAAGCCAACCTGATCCTGGTAATTGTATTGGAATT
 TCTCGTTTTGCAGAAACATATGGTTGCCGTGACCTTTATTTGGCAGCCACTAAATACATATGCCAGAATT
 TTGAAGCTGTTTGGCAGACTGAAGAGTTTTTTGAGCTTACACATGCTGACTTGGATGAAATTGTTCCAA
 TGACTGTTTGAATGTAGCTACCGAAGAGACTGTTTTATGCATTAGAGTCTTGGATCAAGTATGATGTA
 CAAGAACGCCAGAAATACTTAGCACAGTTACTAAACAGGTACGATTACCATTGTTGAGTGTAAAGTTTC
 TCACTAGACTATATGAAGCAAATCATCTTATTCGTGATGATCGCACTTGTAAACATCTTTGAATGAAGC
 CCTAAAGTACCACTTTATGCCTGAACATAGACTCTCTCATCAGACAGTCTTGATGACACGACCTCGCTGT
 GCTCCCAAAGTACTTTGTGCACTAGGAGGGAAATCTGGACTCTTTCCTGTTTGGATAGTGTGGAGATGT
 ACTTTCCTCAGAATGACTCTTGGATTGGTTTGGCACCCCTAAACATTCCTCGCTATGAATTTGGAATATG
 CGTTTTAGACCAAAAAGTATATGTTATAGTGGTATTGCAACTAATGTGCGTCTGGCGTCACTATCAGA
 AAACATGAAAATTCAGTGAATGCTGGAATCCTGATACAAATACTGGACTTCTTAGAGAGAATGAATG
 AAAGCCGAAGTACTCTTGGAGTAGTACTTGCAGGAGAACTTATGCCTTAGTGGTTATGATGGACA
 ATCTTATTTACAATCTGTAGAGAAGTACATTTCCAAAATAAGAAAATGGCAACCTGTGGCACCATGACG
 ACAACAAGAAGTTGTTTTGCTGCAGCGGTATTGGATGGAATGATATATGCCATTGGTGGGTATGGTCTG
 CCCACATGAACAGTGTGGAGCGTTATGATCCAAGTAAGGACTCCTGGGAGATGGTTGCATCCATGGCAGA
 TAAAAGGATTCACTTTGGCGTGGGTGTCATGCTAGGCTTATTTTTGTGGTGGGTGGACATAATGGAGTC
 TCACATTTGTCCAGCATTGAAAGATACGATCCTCATCAAATCAGTGGACTGTGTGTAGACCAATGAAAG
 AACCTAGAACAGGAGTTGGTGTCTGTAATCGATAACTACCTTATGTCGTGGTGGTCACTCAGGGTC
 TTCCTATCTGAATACAGTGCAGAAATATGATCCTATCTCAGATACGTGGTGGATTACAGCTGGCATGATA
 TACTGTCGCTGCAACTTTGGGTTAACTGCACTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC216425 representing NM_017658
 Red=Cloning site Green=Tags(s)

MDHTSPTYMLANLTHLHSEQLLQGLNLLRQHHELCDIILRVGDVKIHAHKVVLASVSPYFKAMFTGNLSE
 KENSEVEFQCIDETALQAIVEYAYTGTVFISQDVTESLLPAANLLQIKLVLKECCAFLESQDPGNCIGI
 SRFAETYGCRDLYLAATKYICQNFCAVQCTEFFELTHADLDEIVSNDCLNVATEETVFYALESWIKYDV
 QERQKYLAQLLNSVRLPLL SVKFLTRL YEANHL IRDDRTCKHLLNEALKYHFMPPEHRL SHQTVMTRPRC
 APKVLCVAVGGKSGL FACLDSVEMYFPQND SWIGLAPLNIPRYEFGICVLDQKVVYVIGGIATNVRPGVTIR
 KHENSVECWNPDTNTWTS LERMNESRSTLGVVLAGEL YALGGYDQSYLQSVEKYIPKIRKWQPVAPMT
 TTRSCFAAAVLDGMIYAI GGYGPAHMNSVERYDPSKDSWEMVASMADKRIHFVGVGMLGFIFVVGHNHGV
 SHLSSIERYPHQNWTVCRPMKEPRTVGVAVIDNYLYVVGHSGSSYLNTVQKYDPI SDTWLD SAGMI
 YCRCNFGLTAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8016_g08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_017658

ORF Size: 1713 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_017658.5](#)

RefSeq Size: 2034 bp

RefSeq ORF: 1716 bp

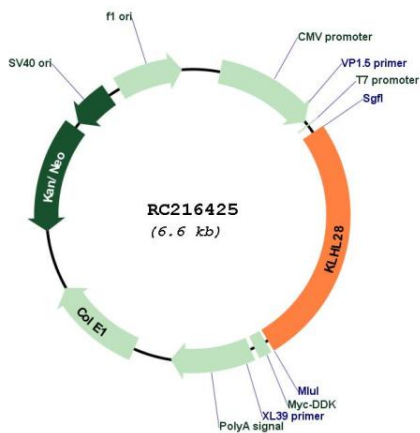
Locus ID: 54813

UniProt ID: [Q9NXS3](#)

Cytogenetics: 14q21.2

Domains: BTB
 MW: 64 kDa

Product images:



Circular map for RC216425