

Product datasheet for **RG216425**

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

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	BTB domain containing 5
Synonyms:	BTBD5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG216425 representing NM_017658
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACCACACATCCCCGACCTACATGCTTGCTAACTTAACCCACTTGCATTCTGAACAACCTTCTGCAGG
 GCTTGAATCTTCTCGCCAACATCACGAACTCTGTGACATCATTCTCGAGTAGGTGATGTTAAATTC
 TGCTCACAAGTGGTACTTGCCAGCGTCAGCCCGTATTTCAAAGCTATGTTCACTGGAAACCTTTCTGAA
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 AAAACTTGTCTGAAAGAATGTTGTGCAATTTCTGAAAGCCAACCTGATCCTGGTAATTGATTGGAAAT
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 TTGAAGCTGTTTGCAGACTGAAGAGTTTTTGTGCTTACACATGCTGACTTGGATGAAATTGTTTCCAA
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 CAAGAACGCCAGAAATACTTAGCACAGTTACTAAACAGTGTACGATTACCATTTGTGAGTGTAAAGTTTC
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 CCTAAAGTACCCTTTATGCCTGAACATAGACTCTCTCATCAGACAGTCTTGATGACACGACCTCGCTGT
 GCTCCCAAAGTACTTTGTGCACTAGGAGGAACTCTGCACTCTTGCCTGTTGGATAGTGTGGAGATGT
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 TAAAAGGATTCACTTTGGCGTGGGTGTCATGCTAGGCTTTATTTTGTGGTGGGTGGACATAATGGAGTC
 TCACATTTGTCCAGCATTGAAAGATACGATCCTCATCAAAATCAGTGGACTGTGTGTAGACCAATGAAAG
 AACCTAGAACAGGAGTTGGTGTGCTGTAATCGATAACTACCTTTATGTCGTCGGTGGTCACTCAGGGTC
 TTCCTATCTGAATACAGTGCAGAAATATGATCCTATCTCAGATACGTGGCTGGATTCAGCTGGCATGATA
 TACTGTCGCTGCAACTTTGGTTAACTGCACTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

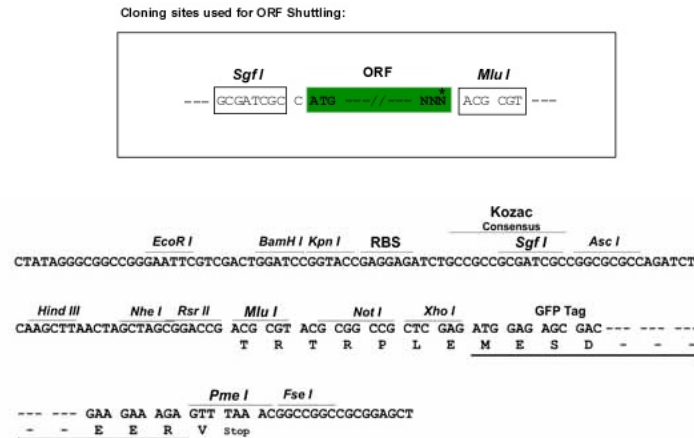
Protein Sequence: >RG216425 representing NM_017658
 Red=Cloning site Green=Tags(s)

MDHTSPTYMLANLTHLHSEQLLQGLNLLRQHHELCDIILRVGDVKIHAHKVVLASVSPYFKAMFTGNLSE
 KENSEVEFQCIDETALQAIVEYAYTGTVFISQDTVESLLPAANLLQIKLVLKECCAFLESQLDPGNCIGI
 SRFAETYGCRDLILAATKYICQNFCAVQTEFFELTHADLDEIVSNDCLNVATEETVFYALESWIKYDV
 QERQKYLAQLLNSVRLPLLSVKFLTRLYEANHLIRDDRTCKHLLNEALKYHFMPEHRLSHQTVLMTTRPC
 APKVLCAVGGKSGFLACLDSVEMYFPQNDWIGLAPLNIPRYEFGICVLDQKVYVIGGIATNVRPGVTIR
 KHENSVECWNPDTNTWTSLERMNSRSTLGVVVLGELYALGGYDQSYLQSVEKYIPKIRKWPVAPMT
 TTRSCFAAAVLDGMIYAIGGYGPAHMNSVERYDPSKDSWEMVASMADKRIHFGVGVMLGFIFVVGHNHV
 SHLSSIERYPHQNQWTVCRPMKEPRTGVGAVIDNYLYVVGHSYSSYLNTVQKYDPIISDTWLDAGMI
 YCRNFGTLAL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

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.

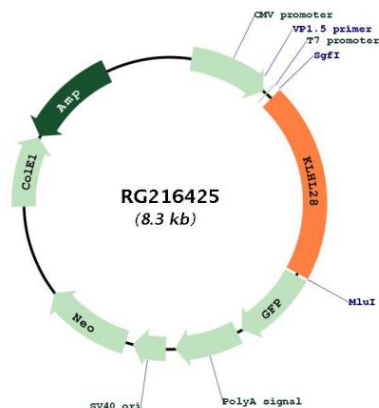
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_017658.5](#)

RefSeq Size: 2034 bp

RefSeq ORF:	1716 bp
Locus ID:	54813
UniProt ID:	<u>Q9NXS3</u>
Cytogenetics:	14q21.2
Domains:	BTB

Product images:



Circular map for RG216425