

Product datasheet for **RG201624**

BET1 (NM_005868) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BET1 (NM_005868) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: BET1
Synonyms: HBET1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG201624 representing NM_005868
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGTGCAGGCCTGGGTGAAGGAGTACCTCCTGGCAACTATGGAACTATGGCTATGCTAATAGTG
GGTATAGTGCCTGTGAAGAAGAAAATGAGAGGCTCACTGAAAGTCTGAGAAGCAAAGTAAGTCTATAAA
ATCTCTTCCATTGAAATAGGCCATGAAGTTAAAACCCAGAATAAATTATTAGCTGAAATGGATTCACAA
TTTGATCCACAAGTGGATTTCTAGGTAAGTAACTATGGGCAAACTGAAGATTTTATCCAGAGGGAGCCAAA
CAAAGCTGCTGTGCTATATGATGCTGTTTTCTTTATTTGTCTTTTTATCATTATTGGATTATTAAGT
GAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201624 representing NM_005868
Red=Cloning site Green=Tags(s)
MRRAGLGEGVPPGNYGNYGYANSYSACEEENERLTESLRSKVTAIKSLSIEIGHEVKTQNKLLAEMDSQ
FDSTTGLGKTMGKLIKILSRGSQTKLLCYMMLFSLFVFFIIYWIILR

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_005868

ORF Size: 354 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.

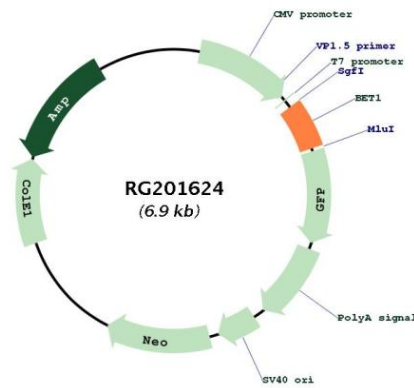
RefSeq: [NM_005868.6](#)

RefSeq Size: 3061 bp

RefSeq ORF: 357 bp

Locus ID: 10282
UniProt ID: [O15155](#)
Cytogenetics: 7q21.3
Domains: t_SNARE
Protein Families: Druggable Genome, Transmembrane
Protein Pathways: SNARE interactions in vesicular transport
Gene Summary: This gene encodes a golgi-associated membrane protein that participates in vesicular transport from the endoplasmic reticulum (ER) to the Golgi complex. The encoded protein functions as a soluble N-ethylmaleimide-sensitive factor attachment protein receptor and may be involved in the docking of ER-derived vesicles with the cis-Golgi membrane. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

Product images:



Circular map for RG201624