

## Product datasheet for **SC319921**

### PLEKHB2 (NM\_017958) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PLEKHB2 (NM_017958) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLEKHB2
Synonyms:	EVT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_017958.1  
 GAGGAATCGCCGTGGCGTCTTGGTGTCTCCACGCTGGTTCGCAGGTGAAGAGATGGCGT  
 TTGTGAAGAGTGGCTGGTTGCTGCGACAGACTACTATTTTGAAGCGCTGGAAGAAGAACT  
 GGTTCGATCTGTGGTCGGATGGTCACCTGATCTATTATGATGACCAGACTCGGCAGAATA  
 TCGAGGATAAGGTCCACATGCCAATGGACTGCATCAACATCCGCACGGGGCAGGAATGTC  
 GGGATACTCAGCCCCGGATGGAAAGTCAAAGACTGCATGCTCCAGATTGTTTGTGCGAG  
 ATGGGAAAACAATTAGTCTTTGTGCAGAAAGCACAGATGATTGCTTGGCCTGGAATTTA  
 CACTCCAAGATTCTAGGACAAACACAGCGTATGTGGGCTCTGCAGTCATGACCGATGAGA  
 CATCCGTGGTTTCTCACCTCCACCATACACGGCCTATGCTGCACCGGCCCTGAGCAGG  
 CTTATGGCTATGGGCCATACGGTGGTGCCTACCCGCCAGGAACTCAAGTTGTCTACGCTG  
 CGAATGGGCAGGCGTATGCCGTGCCCTACCAGTACCCATATGCAGGACTTTATGGACAGC  
 AGCCTGCTAACCAAGTCATCATTGAGAGCGCTATCGAGACAACGACAGCGACCTGGCAC  
 TGGGCATGCTGGCAGGAGCAGCCACGGGCATGGCCTTAGGGTCTCTATTTTGGGTCTTCT  
 AGGGGCCCTCAAGGTCTTGATGTGCATAGCTTCTGATAACCCTGTGTGCAATAATATGATT  
 TGCAGGGCATTCTGTTTGTGACAAAAGTTTTTAATAATAGTTTTAATCATTCTTTGAA  
 AGTAGTGATGTCATAATTGTAATAATCCACATAAGTACCACAGAGAAGGGTTTGAAGTGT  
 GCTATTTTGTTCAAATGTTGACTCTCCGGGGGACTGGCTCATTCCAAGACTGTTCTTGT  
 GCAACTCTCAGAAATACCTTATTTGAGCATACCTGTTTTGAAAGGCATTTCTTTTAGAG  
 TTAGGTGTAGTGCTTAAGGGTTAATTTATTTTCATGTTATGCCAGTAATATAGTGTGTGA  
 TGCCTATTGAGTGATTGTGGCAAGAAAAGCTACAGCTTCTTTGCGTTTAACTTTTTCAA  
 CCACAGACCAGAAGTGGTTGCATGTTACTTTAGGAGTTGTGGGTTGGTAAGCTCCCAGGT  
 ACTTCCCGAGGCTATGGTGTGAGAGCCCCGCTCCTGCCCTCTGGGGCTCCACAGGCCCT  
 GGCAAGGCCGATGGCTCAGGATGATGGGGCACAGCCCGCCTTTGAACAATCATGCTTCAG  
 AAATCTGCCTGACCCTAGCTGCTGCTGCTCACTTTATTCTTGTATGGCTTTGGTAGG  
 CATACTTGGAGAACATATCCACATTAGGAATTGATTTAAGCCTGAGAGTTTGGGGCTT  
 TAATCCTTTAAAAGCTGGAGAAGCTGGCTGGGCGCGGTGGCTCACGCCTGTAATCCACAGC  
 ACTTTGAGAGACCGAGGCGGGCGGATCACGAGGTGAGGAGATCGAGACCATCCTGGCTAA  
 CACGGTGAACCCATCTCTACTAAAAATACAAAAAATTAGCTGGGCGTGGTGGCAGGGC  
 CCTGTGGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATAGTGTGAACCCAGGAGGCGG  
 AGCTTGCAGTGAGCCAAGATAGTCCACTGCACCTCAGCCTGGGTGACAGAGTGAGACTC  
 TGCTCAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_017958

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_017958.1](#), [NP\\_060428.1](#)

**RefSeq Size:** 1778 bp

**RefSeq ORF:** 666 bp

**Locus ID:** 55041

**UniProt ID:** [Q96CS7](#)

**Cytogenetics:** 2q21.1

**Domains:** PH

**Gene Summary:** Involved in retrograde transport of recycling endosomes.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) lacks an in-frame exon and uses an alternate splice site in the 3' coding region, compared to variant 4, which results in a protein (isoform 2) with a shorter C-terminus, compared to isoform 4.