

Product datasheet for SC312871

Dysbindin (DTNBP1) (NM_183040) Human Untagged Clone

Product data:

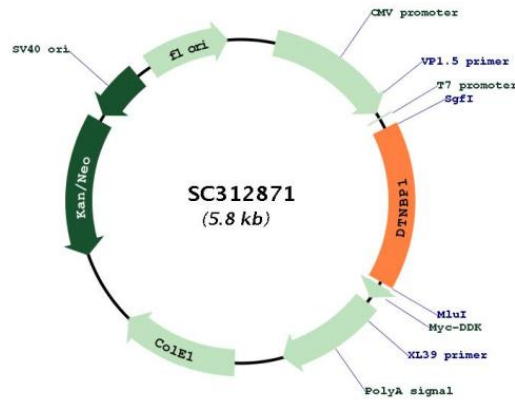
Product Type:	Expression Plasmids
Product Name:	Dysbindin (DTNBP1) (NM_183040) Human Untagged Clone
Tag:	Tag Free
Symbol:	DTNBP1
Synonyms:	BLOC1S8; DBND; HPS7; My031; SDY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC312871 representing NM_183040. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGCTGGAGACCTTCGCGAGCGGCTGCTGAGCGTGCAGCAGGATTTACCTCCGGGCTGAAGACTTTA
AGTGACAAGTCAAGAGAAGCAAAGTGAAAAGCAAACCCAGGACTGTTCCATTTTGCCAAAGTACTCT
GCTGGATTAGAATTACTTAGCAGGTATGAGGATACATGGGCTGCACTTACAGAAGAGCCAAAGACTGT
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TGTGGGCAGTGTGAATTAGAAAGATGCAAACATATGCAGTCCCAGCAACTGGAGAATTACAAGAAAAT
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GTCTTCTGAACCTCTGGAGGAGAAGAGAACAACCTGTGCTGTCCCCGCCTTAGGTAGGTTGACAACTT
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GTCACCTACGCATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_183040

Insert Size: 912 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).

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_183040.2](#)

RefSeq Size: 1963 bp

RefSeq ORF: 912 bp

Locus ID: 84062

UniProt ID: [Q96EV8](#)

Cytogenetics: 6p22.3

Protein Families: Druggable Genome

MW: 34.8 kDa

Gene Summary: This gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. A similar protein in mouse is a component of a protein complex termed biogenesis of lysosome-related organelles complex 1 (BLOC-1), and binds to alpha- and beta-dystrobrevins, which are components of the dystrophin-associated protein complex (DPC). Mutations in this gene are associated with Hermansky-Pudlak syndrome type 7. This gene may also be associated with schizophrenia. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) contains an additional segment in the coding region compared to variant 1. The resulting isoform (b) contains a shorter and distinct C-terminus compared to isoform a. This protein isoform is described by Talbot et al. (PMID:21390302).