

## Product datasheet for SC333081

### Dysbindin (DTNBP1) (NM\_001271668) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dysbindin (DTNBP1) (NM\_001271668) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Dysbindin  
**Synonyms:** BLOC1S8; DBND; HPS7; My031; SDY  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC333081 representing NM\_001271668.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCTGGAGACCCTTCGCGAGCGGCTGCTGAGCGTGCAGCAGGATTTACCTCCGGGCTGAAGACTTTA
AGTGACAAGTCAAGAGAAGCAAAAGTAAAAGCAAACCCAGGTATGAGGATACATGGGCTGCACTTAC
AGAAGAGCCTCAAGACTGTCAAGTGTGGAGAGCTGGTGGATAGCGAGGTGGTATGCTTTCTGCGCAC
TGGGAGAAAGAAAAGACAAGCCTCGTGGAGCTGCAAGAGCAGCTCCAGCAGCTCCAGCTTTAATCGCA
GACTTAGAATCCATGACAGCAAATCTGACTCATTTAGAGGCGAGTTTTGAGGAGGTAGAGAACAACCTG
CTGCATCTGGAAGACTTATGTGGCAGTGTGAATTAGAAAAGATGCAAACATATGCAGTCCCAGCAACTG
GAGAATTACAAGAAAAT AAGAGGAAGGAACCTTGAACCTTCAAAGCTGAACTAGATGCAGAGCAGGCC
CAGAAGGTCTCGAAAATGGAGCACACCCAGCAAATGAAGCTGAAGGAGCGGCAGAAAGTTTTTTGAGGAA
GCCTTCCAGCAGGACATGGAGCAGTACCTGTCCACTGGCTACCTGCAGATTGCAGAGCGGCGAGAGCCC
ATAGGCAGCATGTCCATGGAAGTGAACGTGGACATGCTGGAGCAGATGGACCTGATGGACATATCG
GACCAGGAGGCCCTGGACGTCTTCTGAACTCTGGAGGAGAAGAGAACTGTGCTGTCCCCGCCTTA
GGCCTGAATCCAGTACCTGTGAGAATGAGATTACCCTCCAGGTTCCAAATCCCTCAGAATTAAGAGCC
AAGCCACCTTCTTCTTCCCTCCACCTGCACCGACTCGGCCACCCGGGACATCAGTGAGGTTGGGGAGTCC
CCCGTTGTTGAGTCCGATGAGGAGGAAGTTCAGGTGGACACTGCCCTGGCCACATCACACTGACAGA
GAGGCCACTCCGGATGGTGGTGGAGCAGCGACTCTAA
  
```

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001271668  
**Insert Size:** 1005 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).  
**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).



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**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\\_001271668.1](#)

**RefSeq Size:** 1373 bp

**RefSeq ORF:** 1005 bp

**Locus ID:** 84062

**UniProt ID:** [Q96EV8](#)

**Cytogenetics:** 6p22.3

**Protein Families:** Druggable Genome

**MW:** 37.6 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 (5) omits an in-frame coding exon compared to variant 1. The resulting protein isoform (d) is shorter compared to isoform a.