OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC110681

Dysbindin (DTNBP1) (NM_032122) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dysbindin (DTNBP1) (NM_032122) Human Untagged Clone
Tag:	Tag Free
Symbol:	Dysbindin
Synonyms:	BLOC1S8; DBND; HPS7; My031; SDY
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC110681 sequence for NM_032122 edited (data generated by NextGen Sequencing)

ATGCTGGAGACCCTTCGCGAGCGGCTGCTGAGCGTGCAGCAGGATTTCACCTCCGGGCTG
AAGACTTTAAGTGACAAGTCAAGAGAAGCAAAAGTGAAAAGCAAACCCAGGACTGTTCCA
TTTTTGCCAAAGTACTCTGCTGGATTAGAATTACTTAGCAGGTATGAGGATACATGGGCT
GCACTTCACAGAAGAGCCAAAGACTGTGCAAGTGCTGGAGAGCTGGTGGATAGCGAGGTG
GTCATGCTTTCTGCGCACTGGGAGAAGAAAAAGACAAGCCTCGTGGAGCTGCAAGAGCAG
CTCCAGCAGCTCCCAGCTTTAATCGCAGACTTAGAATCCATGACAGCAAATCTGACTCAT
TTAGAGGCGAGTTTTGAGGAGGTAGAGAACAACCTGCTGCATCTGGAAGACTTATGTGGG
CAGTGTGAATTAGAAAGATGCAAACATATGCAGTCCCAGCAACTGGAGAATTACAAGAAA
AATAAGAGGAAGGAACTTGAAACCTTCAAAGCTGAACTAGATGCAGAGCACGCCCAGAAG
GTCCTGGAAATGGAGCACACCCAGCAAATGAAGCTGAAGGAGCGGCAGAAGTTTTTTGAG
GAAGCCTTCCAGCAGGACATGGAGCAGTACCTGTCCACTGGCTACCTGCAGATTGCAGAG
CGGCGAGAGCCCATAGGCAGCATGTCATCCATGGAAGTGAACGTGGACATGCTGGAGCAG
ATGGACCTGATGGACATATCGGACCAGGAGGCCCTGGACGTCTTCCTGAACTCTGGAGGA
GAAGAGAACACTGTGCTGTCCCCCGCCTTAGGGCCTGAATCCAGTACCTGTCAGAATGAG
ATTACCCTCCAGGTTCCAAATCCCTCAGAATTAAGAGCCAAGCCACCTTCTTCTTCCTCC
ACCTGCACCGACTCGGCCACCCGGGACATCAGTGAGGGTGGGGAGTCCCCCGTTGTTCAG
TCCGATGAGGAGGAAGTTCAGGTGGACACTGCCCTGGCCACATCACACACTGACAGAGAG
GCCACTCCGGATGGTGGTGAGGACAGCGACTCTTAA

Clone variation with respect to NM_032122.4

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032122 unedited
GTATTTTGTAATACGACTCACTATAGGGGCGGCCGCGAATTCGCACGAGGCGGCGGCGAG
GACCAGACCGGGGGCGGGGCCGGTAGTGGGAGTGCGGGGCGCGCGGTGACAGCGCGGGGT
TGGCGGCGTGGGACCCAGGGGGCGACAGAGGCAGCAGCAGCCCGAGGCCTGAGGAGAGGA
GACCGGCGGCGGCGGCAATGCTGGAGACCCTTCGCGAGCGGCTGCTGAGCGTGCAGCAGG
ATTTCACCTCCGGGCTGAAGACTTTAAGTGACAAGTCAAGAGAAGCAAAAGTGAAAAGCA
AACCCAGGACTGTTCCATTTTTGCCAAAGTACTCTGCTGGATTAGAATTACTTAGCAGGT
ATGAGGATACATGGGCTGCACTTCACAGAAGAGCCAAAGACTGTGCAAGTGCTGGAGAGC
TGGTGGATAGCGAGGTGGTCATGCTTTCTGCGCACTGGGAGAAGAAAAAGACAAGCCTCG
TGGAGCTGCAAGAGCAGCTCCAGCAGCTCCCAGCTTTAATCGCAGACTTAGAATCCATGA
CAGCAAATCTGACTCATTTAGAGGCGAGTTTTGAGGAGGTAGAGAACAACCTGCTGCATC
TGGAAGACTTATGTGGGCAGTGTGAATTAGAAAGATGCAAACATATGCAGTCCCAGCAAC
TGGAGAATTACAAGAAAAATAAGAGGAAAGGAACTTGAAACCTTCAAAGCTGAACTAGAT
GCAGAGCACGCCCCAGAAGTCCTGGANATGGAGCACACCCAGCANNATGAAGCTGAAGAG
CCGCAGAAAGTTTTTGAGGAAGCCCTCCAGCAGACATGGAGCAGTACCTGTCCACTGGCT
ACCTGCAGATTGCAGAGCGGCGAGAAGCCCATAGCAGCATGTCATCCATGGAAGTGAACG
TGNACATGCTGNAGCANNATGGACCTGATGGACATATNCGNACCCGNAGGCCCNTGNACG
TCTTNCTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_032122 unedited
TCCACTTTTTGTTAGTCTGTTCTTTAGTTTCTCACACTTATTGGCAATTACGTAAAAATC
AATAACCTCTATAAAACAACCTGGCTTTCCAGGTGGAATTCCGCATACAGCCAAAACTGG
ATTCCAGTGTGGCCAGACAACGCCCATGTCCCAATTTAAGAGTCGCTGTCCTCACCACCA
TCCGGAGTGGCCTCTCTGTCAGTGTGTGATGTGGCCAGGGCAGTGTCCACCTGAACTTCC
TCCTCATCGGACTGAACAACGGGGGACTCCCCACCCTCACTGATGTCCCGGGTGGCCGAG
TCGGTGCAGGTGGAGGAAGAAGAAGGTGGCTTGGCTCTTAATTCTGAGGGATTTGGAACC
TGGAGGGTAATCTCATTCTGACAGGTACTGGATTCAGGCCCTAAGGCGGGGGACAGCACA
GTGTTCTCTTCTCCTCCAGAGTTCATGAAGACGTCCAGGGCCTCCTGGTCCGATATGTCC
ATCATGTCCATCTGCTCCAGCATGTCCACGTTCACTTCCATGGATGACATGCTGCCTATG
GGCTCTCGCCGCTCTGCAATCTGCAGGTAGCCAGTGGACAGGTACTGCTCCATGTCCTGC
TGGAAGGCTTCCTCAAAAAACTTCTGCCGCTCCTTCAGCTTCATTTGCTGGGTGTGCTCC
ATTTCCAGGACCTTCTGGGCGTGCTCTGCATCTAGTTCAGCTTTGAAGGTTTCAAGTTCC
TTCCTCTTATTTTTCTTGTAATTCTCCAGTTGCTGGGACTGCATNATGTTTGCATCTTCT
ATTTCACACTGGCCACATNAGTCTTCCAGATGCAGCAAGGTTGTTCTCCTACTCCTCAAA
ACTCGGCTTTAAATGAGTCAGATTTGCTGTCATGGATTCTTAGTCTGCGATTAATGCTGG
GAGCTGCTGGAGCTGCTCTTGCACTCCCCAAGCCTGCCTTTTCTTTCCCATGCCAAAANA
TGACCACTGGTTCCACCACTTCAGACTGCCAGCTTGGGTTTTTGGAAAGG

Restriction Sites: NotI-NotI

ACCN: NM_032122

Insert Size: 1530 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_032122.3, NP_115498.2

RefSeq Size: 1464 bp

RefSeq ORF: 1056 bp

Locus ID: 84062

UniProt ID: Q96EV8

Cytogenetics: 6p22.3

Domains: DUF546

Protein Families: Druggable Genome

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 (1) encodes the longer isoform (a). This protein isoform is described by Talbot et al. (PMID:21390302).

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