

Product datasheet for **SC127283**

HPS3 (NM_032383) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HPS3 (NM_032383) Human Untagged Clone
Tag:	Tag Free
Symbol:	HPS3
Synonyms:	BLOC2S1; SUTAL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127283 sequence for NM_032383 edited (data generated by NextGen Sequencing)

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ATGGTGCAGCTGTACAACCTGCACCCGTTTCGGGTGCGCAGCAGGTGGTGCCTGCAAGCTG
GAGCCGGACCGGTTCTGTGGCGGGGGCGTGACGCGCTTTTCGTGGCGGGGGCTGCAAG
GTGGAGGCGTTCGCGGTGGCCGGCCAGGAGCTGTGCCAGCCGCGTGCCTTCTCCACG
CTGGGCCGGGTGTGCGCCTGGCCTACAGCGAGGCTGGAGATTATTTGGTAGCAATTGAA
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AACTCTCGTGTGTATCCGAATGATTGGGCATAATGTGGAGGGACCATTAGCAAAAGCC
TTCAGAGACCAGATGTACATTATTGAAATGCCGCTTTCGGAGGCCCTTGTGCATTTCC
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AAAGAGATGGTAGACTATAGCAATACCTATAAGACTGTCAAACCCAGAGCTGCATTAC
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AAACCATTGACTTAA
    
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Clone variation with respect to NM_032383.3
 981 a=>g

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_032383 unedited
AGTATTTTGAATACGAACCTACTATAGGGCGGCCGATTTCGGCACGAGGTCCC GCCGG
ACGTCGGGATGGTGCAGCTGTACAACCTGCACCCGTTCCGGTTCGCAGCAGGTGGTGCCCT
GCAAGCTGGAGCCGACCGGTTCTGTGGCGGGGGCGTGACGCGCTTTTCGTGGCGGCGG
GCTGCAAGGTGGAGGCGTTCCGGTGGCCGGCCAGGAGCTGTGCCAGCCGCGGTGCGCCT
TCTCCACGCTGGCCGGGTGTTGCGCCTGGCCTACAGCGAGGCTGGAGATTATTTGGTAG
CAATTGAAGAGAAAAACAAGCTACATTTCTACGTGCTTATGTGAACTGGAGAAAATAAAA
GGACTGAAAACCTCTCGTGTGTATCCGAATGATTGGGCATAATGTGGAGGGACCATTCA
GCAAAGCCTTCAGAGACCAGATGTACATTATTGAAATGCCGCTTTCGGAGGCCCCCTTGT
GCATTTCTGTTGCCCTGTGAAAGGAGACCTTCTCGTTGGCTGCACAAATAAATTAGTCT
TATTTAGTTTGAAGTACCAGATCATTAATGAGGAATTCTCACTATTGGACTNTGAACGTT
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TGGTTGCTGTCACTTTTAAAAGTCTTAATCGTAAAACGGNNAGTCNNGCCCT
AAAATGGANAANAGATTNCAACCATCCACATTAGACCAANCATCGAANTAGACGACA
GGAGAAGGCATCAGTAATGAAATTTACAGCTGAGTCAGATGGATTTGGTCATCTGCCAA
AAGCCCTGNACTTTCCTGGTGGAAAAAAGTGACAGTNCTGGATTATCTGTTACC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_032383 unedited NGGGGGTATTAGCTTGNACCGCGCCCGCTTCTANATCGAGTTTTTTTTTTTTTTTTTTT GTGAATACAATGATGTATTTCTTTATTTTACACATACACTCTAGCTAAAAGAGCAAGAGTA CACATCAACAAAATGGAAACAAGGCTTTGGCTGAAAAAACAATGCATTTGACAAATCATG TTAATAGCTAGACAAGAAGAAAGTTAGCTTTGTAACCTTCTACTTCATTTGATTCAGAGA AACAGAGCATGAGTTTTCTTAAAAAGTACAAGAAAAGGAACAAAAAATGAGGTTTGAA ATCTTTTACCATGGCAAACATTAACATCTTTCTCAAAAACATAGAGAAATCTGGAAAAA TCAAGAAGATAAAATTCTGGACCAGTTAGTGACATTCTTCAAGCATACTTGTAATAATGT TTCCTTAAAGTGTTCTTGGGATGAAAATGATTGTCATGCTCCAACAACAGTGAAGTGT GTTGTTCCTTGAATAAAAGTCAATCCCCACCTTAAAAATGTATGGCTTCTTTGAGGAA TTCTTATGTCTTAAAGACTTTTTACATTCTAGACAATTAATGATTGAGGTCATAAATT AAGAAGTGAATAGTTACCACTACACGGTAAGGTAAGCAGCCTGAAAGCATTGTATCATA TATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGNTGTGTGAAATATAAAAAATAAAAC TCCTCTACTTGTACTTTGGCATTCAATTTTAGAAATTCAGTCTCAAATGCCATTATGGT ATTTTTCAAATGATACCTTTAAGTCAATGGTTTCTTTCGACTGCCATAGAGGAGATATGG CAAGGAAAAATGTGCAGTACCATCTTCTGGGAGGAACATCATGAAATCTTCAGTT
Restriction Sites:	NotI-NotI
ACCN:	NM_032383
Insert Size:	4000 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).
Reconstitution Method:	<ol style="list-style-type: none"> 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:	<u>NM_032383.3</u> , <u>NP_115759.2</u>
RefSeq Size:	4451 bp
RefSeq ORF:	3015 bp
Locus ID:	84343
UniProt ID:	<u>Q969F9</u>
Cytogenetics:	3q24

Gene Summary:

This gene encodes a protein containing a potential clathrin-binding motif, consensus dileucine signals, and tyrosine-based sorting signals for targeting to vesicles of lysosomal lineage. The encoded protein may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 3. [provided by RefSeq, Apr 2015]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.