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Product datasheet for SC111427

HPS6 (NM_024747) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HPS6 (NM_024747) Human Untagged Clone
Tag:	Tag Free
Symbol:	HPS6
Synonyms:	BLOC2S3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL6
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene ORF within SC111427 sequence for NM_024747 edited (data generated by NextGen Sequencing)

ATGAAGCGCTCGGGGACTCTGCGGCTGCTCTCGGACCTGAGCGCCTTCGGCGGCGCGGCG
CGGCTCCGGGAGCTGGTGGCCGGGGACTCAGCGGTCCGAGTCCGTGGCAGTCCGGACGGC
CGCCACTTGCTGCTCCTGCGACCCCCTGGGGCGGTAGCCCCACAGCTGCTAGTCGCGTCG
CGAGGGCCCGGCGCGGAGCTAGAGCGGGCCTGGCCGGCCGGCCAGCCCTCCCCGCTGGAC
GCCTTCTTCCTGCCGTGGCCAGCGCGGCCGGCGCTGGTGCTGGTGTGGGAGAGTGGCCTG
GCCGAGGTGTGGGGCGCGGGCGTGGGGCCTGGCTGGCGGCCGCTGCAGAGCACCGAGCTG
TGTCCGGGCGGGGGAGCCCGCGTTGTGGCAGTGGCGGCGCTCCGAGGCCGCCTGGTGTGG
TGCGAGGAGCGGCAGGCCCGGGCCGAGGGCCCGTCAGGGTCGCCAGCAGCCGCTTTCAGC
CACTGTGTGTGCGTCCGGACTCTGGAGCCCAGCGGGGAAGCTAGCACCAGCCTGGGCCGC
ACACACGTCCTGCTGCACCACTGCCCTGCCTTCGGGCTGCTGGCCTCCTGCAGACAACTC
TTCCTGGTGCCCACTGCCACCACCTGGCCTGGCGTGGCCCACGTTCTACTCATCTGGAGC
CCAGGCAAGGGCAAAGTGATGGTGGCTGCCCCACGGCTTGGTCTCTCCTACAGTAAGAGT
CTGAATCCTGGACGAGGGGACACATGGGACTTCCGGACCCTGCTCCGAGGCCTTCCTGGG
TTGCTGTCCCCCAGGGAGCCACTGGCTGTACACACCTGGGCCCCAACTCCCCAGGGCCTG
CTGTTGCTTGACTTCGGGGGCACTGTGAGCCTATTGCAGTCCCACGGTGGTACGCGGGCT
GTGGGCACCCTGCAGGAGGCACCTGTAGGCCCGTGGGGGTCTGCAGCCCTAGGCACATTT
CAGGGCACTCTGGCCTGTGTGCTGGGCTCCACATTGGAACTGCTGGACATGGGCAGTGGG
CAGCTGCTGGAGAGGAAGGTCCTAAGTACAGACAGGGTACATCTGCTAGAACCGCCAGCC
CCCGGCATGGAGGATGAGGAAGAGCTGGAGACCCGAGGGAATCTTCGTCTGCTTTCAGCC
TTGGGTCTGTTTTGTGTGGGCTGGGAAGCCCCACAGGGTGTTGAGTTGCCTTCAGCCAAG
GATCTGGTGTTTGAGGAGGCCTGCGGGTACTACCAGCGGCGGAGCCTGCGGGGTGCCCAG
CTCACTCCAGAAGAACTGAGACACAGCAGCACATTCCGGGCACCTCAGGCTCTGGCCTCC
ATCCTCCAGGGCCACCTGCCCCCATCTGCACTGCTGACCATGTTGAGGACCGAGCTTCGG
GATTACCGAGGCTTAGAACAGCTGAAGGCCCAGCTGGTGGCTGGGGATGATGAGGAGGCT
GGTTGGACTGAGCTGGCGGAGCAGGAAGTGGCACGCCTGCTGAGGACTGAGTTGATAGGA
GACCAGCTAGCCCAGCTCAACACCGTTTTCCAAGCCCTTCCTACAGCAGCCTGGGGTGCC
ACCCTCAGGGCCCTGCAGCTCCAGCTAGATGGGAATGGCAAGCTGAGGTCCCAAGCACCC
CCTGATGTGTGGAAGAAAGTGTTAGGGGGAATAACCGCTGGAAAGGAACCCCCCAATGGA
ATACTGCCCCCCTTTGAACTCCTGTGCCAGTGTCTGTGCCAGCTGGAGCCTCGATGGCTG
CCACCCTTTGTGGAGCTGGCACAGCAGCAGGGCGGGCCGGGCTGGGGGGCAGGGGGCCCA
GGACTGCCCCTGTATCGCCGAGCTCTGGCAGTGCTAGGTGAGGAGGGGACCAGGCCTGAG
GCTCTGGAGCTAGAGCTGCTCTTGAGCAGTGGGCGGCCTAAAGCTGTGCTCCAAGCTGTC
GGGCAGCTGGTGCAAAAGGAACAATGGGATCGGGCTCTGGATGCTGGCCTGGCCCTCGGC
CCCTCCAGTCCCCTGCTTCGAAGTGAAATCTTCAAACTGCTGCTGGCCGAGTTTGCCCAG
CACCGCCGGCTTGATGCTCACCTCCCCCTCCTTTGCCGCCTGTGCCCACCAGAACTGGCT
CCAGCTGAGCTCCTGCTTCTACTGAGGACATACCTCCCAGATGAGGTGGGGCCCCCAACC
CCATTCCCTGAGCCTGGAGCAGAGCCCCCTCTCACTGTGGGCTTGCTCAAAGCCCTGCTG
GAGCAGACTGGGGCTCAAGGATGGCTGTCGGGCCCAGTTCTAAGCCCATATGAGGACATC
CTATGGGACCCCAGCACTCCACCCCCGACTCCACCTCGGGACCTATGA

Clone variation with respect to NM_024747.5

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024747 unedited
CCCGCCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAG
CTCATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTTGCAGCGGCCGCGAATT
CGGCACGAGGGCGCAGCGGCGCCATGAAGCGCTCGGGGACTCTGCGGCTGCTCTCGGACC
TGAGCGCCTTCGGCGGCGCGGCGCGGCTCCGGGAGCTGGTGGCCGGGGACTCAGCGGTCC
GAGTCCGTGGCAGTCCGGACGGCCGCCACTTGCTGCTCCTGCGACCCCCTGGGGCGGTAG
CCCCACAGCTGCTAGTCGCGTCGCGAGGGCCCGGCGCGGAGCTAGAGCGGGCCTGGCCGG
CCGGCCAGCCCTCCCCGCTGGACGCCTTCTTCCTGCCGTGGCCAGCGCGGCCGGCGCTGG
TGCTGGTGTGGGAGAGTGGCCTGGCCGAGGTGTGGGGCGCGGGCGTGGGGCCTGGCTGGC
GGCCGCTGCAGAGCACCGAGCTGTGTCCGGGCGGNGGAGCCCGCGTTGTGGCAGTGGCGG
CGCTCCGAGGCCGCCTGGTGTGGTGCGAGGAGCGGCAGGCCCCGGCCGAGGGCCCGTCAG
GGTCGCCAGCAGCCGCTTTCAGCCACTGTGTGTTGCGTCCGGACTCTGGAGCCCAGCGGN
GGAAGCTAGCACCAGCCTGGGCCGCACACACGTCCTGCTGCACACTGCCCTGCCTTGGGC
CTGCTGGCCTTCTGCAGCCACTCTTCCTGGTGCCACCTGCACACCTGCCGGNCGTGTCCC
ACGTTCACTCATCTGGGCCCAGCAGGGCAAGNGAAGGTGGNCTGCCCCCGGCTTGCCTCT
CTACGGAAAAGCTTGATCCGGACAGGGGCCCATGAACCTCCGGCCCTGTCGAGCTTCTGG
GTTGTGTCCCCAGGACCCCGGTTTCCACCCGGCCCCCTCCCGGCCCTTGGGGTTAATTGG
GGCCCCGACCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024747 unedited
NCCGTAATAGCTATGNNACCGCGGCCGCTATCTAGGATCGAGTTTTTTTTTTTTTTTTTT
ATATTAAACTATGTATATATTTAACACACACATCTTAAAAATAGCTCCAGATGACAGAAC
AGTATTGCATACACAGGTCCATACATGGGACCCTCCAAGTCCCAGGCACCCTTCCCTGAT
CACTGTGTCCTAGAAATGATTTCCTGTGTCAGTGACACAGAGGAACTGTCCAAGCAAGCC
TCCAGTCCCAAGCAAGCCTCCAGGCCCTGAGTGTTCTGATGCCTGAAGGGTAGTCATAGG
TCCCGAGGTGGAGTCGGGGGTGGAGTGCTGGGGTCCCATAAGATGTCCTCATATGGGCTT
AGAACTGGGCCCGACAGCCATCCTTGAGCCCCAGTCTGCTCCAGCAGGGCTTTGAGCAAG
CCCACAGTGAGAGGGGGCTCTGCTCCAGGCTCACGGAATGGGGTTGGGGGCCCCACCTCA
TCTGGGAGGTATGTCCTCAGTAGAAGCAAGAGCTCAACTGGAGCCAGTTCTGGTGGGCAC
AAGCCGCCAAGGGAGGGGAGGTGAGCATCAAGCCGGGGGGGCTGGGCCAACTTGGCCCGC
AACAATTTTGAAGAATTCACTTTCAAACCCGGGACTTGGAGGGGCCCAGGGCCCGGCCCG
CATTCAAAGCCCGATCCCATTGTTCCCTTTTCACCAAACTGGCCCAAAACTTTGAGCACA
ACTTTATGCCCCCCCCCTGTTTAAAAGACACCTTTGCTTCCAGAGCCTCAGGCCCGGTGG
CCTTTTTAAATATAAACTGGCAAAAACTGGCGAATACAGGGGGGAAACTGGGGCCCCTTA
GTCCCCAGTTACGGGCCCCCCCGGTTGTGGTGGCGACTCCCCAAGGGGGGC

Restriction Sites: NotI-NotI

ACCN: NM_024747

Insert Size: 2500 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:	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_024747.4, NP_079023.2
RefSeq Size:	2674 bp
RefSeq ORF:	2328 bp
Locus ID:	79803
UniProt ID:	Q86YV9
Cytogenetics:	10q24.32
Gene Summary:	This intronless gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. This protein interacts with Hermansky-Pudlak syndrome 5 protein. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 6. [provided by RefSeq, Jul 2008]