

## Product datasheet for **SC314470**

### HPS4 (NM\_152841) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HPS4 (NM_152841) Human Untagged Clone
Tag:	Tag Free
Symbol:	HPS4
Synonyms:	BLOC3S2; LE
Vector:	<u>pCMV6 series</u>



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_152841, the custom clone sequence may differ by one or more nucleotides

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ATGGCTCCACTCTGTTCTCTTGCCAGGTGGAATTATTTTTTCTTTATGATGGTTCCAAG
GTAAAGGAAGAAGGCGATCCAACAAGAGCTGGCATTGTACTTTTATCCTTCCCAGACC
CTGCTAGACCAACAGGAGTTGCTTTGTGGACAGATTGCTGGAGTTGTCCGCTGTGTTTCT
GACATTTCTGACTCTCCTCCTACTCTTGTTCGTCTGAGAAAAGTGAAGTTGCCATAAAA
GTTGATGGAGATTACCTTTGGGTGCTGGGCTGTGCTGTGGAGCTCCCTGATGTCAGCTGC
AAGCGGTTTCTGGATCAGCTAGTTGGATTCTTTAATTTTTACAATGGACCTGTTCCCTA
GCTTATGAGAAGTCTTCTCAGGAAGAACTGAGCACGGAGTGGGACACCTTCATCGAGCAA
ATTCTGAAAAACACCAAGTATCTGCATAAGATTTTCAATTCCTCTGGAACCTGGACCAA
ACTAAAGTGGAGCCCCTGTTGTTGCTGAAGGCAGCCCGCATTCTGCAGACCTGCCAGCGC
TCGCCTCACATTCTCGTGGCTGCATCCTCTATAAAGGACTGATTGTCAGCACCCAACTC
CCGCCCTCCCTCACCGCAAGGTCTGCTTACCGAACAGCACCTCAGGAGCAGAGACTC
CCTACGGGAGAGGATGCCCGCAGGAACATGGAGCGGCATTGCCCGGAATGTCAGATT
ATCCCTGTTTTTGTGACCAAAGAGGAAGCCATTAGTCTCCACAGTTCCTGGTGGAAACAG
ATGACAAGGTCTCTAGCATCTCCAGCAGACTCCAGGATGGTTCCAGCCCAGCACCATCCA
AAGGGTGGGAGCACATCTGCCCTGAAAGAAAACGCCACTGGCCATGTGGAATCCATGGCC
TGGACCACCCAGATCCCACATCCCCTGACGAAGCTTGTCCAGATGGCAGGAAGGAGAAC
GGATGCTTGTCTGGCCATGATCTGGAGAGCATCAGGCCCGCAGGACTGCACAACCTGCC
AGGGGTGAGGTTCTTGGCCTCAGCTCCTCCCTGGGGAAGGAACTAGTCTTTCTCCAAGAA
GAACTCGACTTGTCTGAAATCCACATCCAGAGGCTCAGGAAGTGGAAATGGCCTCAGGT
CATTTTGCCTTCTACATGTGCCTGTTCCAGATGGCAGGGCTCCTTACTGCAAGGCATCT
CTCAGCGCTCCAGCAGCTGGAACCCACGCCTCCTGAGGACACAGCCATCAGCAGCTTG
CGCCCTCCCTCTGCTCCTGAGATGCTGACCCAGCATGGAGCCCAAGAGCAGCTCGAAGAC
CATCCTGGCCATAGCAGCAAGCCCCATTCCCAGAGCAGACCCTCTCCCAGAAGGACC
CGCAGGCCCTTGTATTGCCTCGCTTAGATCCAGGACAGAGAGGAAACAAGCTTCCCACG
GGGGAACAAGGCCTGGATGAGGATGTTGATGGGGTCTGTGAAAGCCACGCAGCCCCTGGT
CTGGAATGCAGTTCAGGCTCAGCAAAGTGTGAGGGTGTGCCCCCTGTCAGATGGAATC
AGCTCCAGGCTGACACCAGCAGAGTCTGCATGGGGCTCGTGAGGATGAATCTCTACACT
CACTGCGTCAAAGGGCTGGTGTGCTCCCTGCTGGCTGAGGAGCCGCTGCTGGGAGACAGC
GCAGCCATAGAGGAAGTGTACCACAGCAGCCTGGCTTCACTGAATGGGCTGGAAGTCCAC
CTGAAAGAGACGCTGCCAGGGATGAGGCAGCCTCCACAGCAGCACCTACAACCTCACA
CATTACGACCGCATTAGAGCTTGTGATGGCAAACCTGCCGAGGTGGCCACCCCGCAG
GATCGCCGCTTCTCCAGGCCGTGAGCCTGATGCATAGCGAATTTGCCAGCTGCCCGCG
CTTTATGAAATGACTGTCAGAAATGCCTCCACGGCTGTGTACGCCTGTTGCAACCCCATC
CAGGAGACATATTTCCAGCAGCTGGCACCTGCAGCACGGAGCTCCGGCTTCCAAACCTC
CAGGATGGCGCCTTACGCTCTCCGGCAAAGCAAAGCAGAAGTGTCTGAAGCACGGGGTG
AACTTGCTC

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**Restriction Sites:** Please inquire

**ACCN:** NM\_152841

**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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_152841.1</a></u> , <u><a href="#">NP_690054.1</a></u>
<b>RefSeq Size:</b>	4069 bp
<b>RefSeq ORF:</b>	2112 bp
<b>Locus ID:</b>	89781
<b>UniProt ID:</b>	<u><a href="#">Q9NQG7</a></u>
<b>Cytogenetics:</b>	22q12.1
<b>Gene Summary:</b>	<p>This gene encodes a protein component of biogenesis of lysosome-related organelles complexes (BLOC). BLOC complexes are important for the formation of endosomal-lysosomal organelles such as melanosomes and platelet dense granules. Mutations in this gene result in subtype 4 of Hermansky-Pudlak syndrome, a form of albinism. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (b) is shorter and has a distinct N-terminus, compared to isoform a. 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.</p>