

Product datasheet for **SC321835**

HCST (NM_014266) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: HCST (NM_014266) Human Untagged Clone
Tag: Tag Free
Symbol: HCST
Synonyms: DAP10; KAP10; PIK3AP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_014266.3
 CTTGACACCAGCAGGGTGACATCCGCTATTGCTACTTCTCTGCTCCCCACAGTTCTCT
 GGACTTCTCTGGACCACAGTCCTCTGCCAGACCCTGCCAGACCCAGTCCACCATGATC
 CATCTGGGTACATCCTCTTCTGCTTTTGGCTCCCAAGTGGCTGACGCTCAGACGACTCCA
 GGAGAGAGATCATCACTCCCTGCCTTTTACCCTGGCACTTCAGGCTCTTGTCCGGATGT
 GGGTCCCTCTCTGCGCCTCTGGCAGGCCTCGTGGCTGCTGATGCGGTGGCATCGCTG
 CTCATCGTGGGGCGGTGTTCTGTGCGCACGCCACGCCGAGCCCCGCCCAAGAAGAT
 GGCAAAGTCTACATCAACATGCCAGGCAGGGGCTGACCCTCTGCAGCTTGACCTTTGA
 CTTCTGACCTCTCATCCTGGATGGTGTGGTGGCACAGGAACCCCGCCCCAACTTTT
 GGATTGTAATAAAACAATTGAAACCCCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_014266

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.

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:	<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_014266.3, NP_055081.1</u>
RefSeq Size:	524 bp
RefSeq ORF:	282 bp
Locus ID:	10870
UniProt ID:	<u>Q9UBK5</u>
Cytogenetics:	19q13.12
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Natural killer cell mediated cytotoxicity
Gene Summary:	<p>This gene encodes a transmembrane signaling adaptor that contains a YxxM motif in its cytoplasmic domain. The encoded protein may form part of the immune recognition receptor complex with the C-type lectin-like receptor NKG2D. As part of this receptor complex, this protein may activate phosphatidylinositol 3-kinase dependent signaling pathways through its intracytoplasmic YxxM motif. This receptor complex may have a role in cell survival and proliferation by activation of NK and T cell responses. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>