

## Product datasheet for **TP319253L**

### HCST (NM\_001007469) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hematopoietic cell signal transducer (HCST), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219253 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MIHLGHILFLLLLPVAAAQTTPGERSLPAFYPGTSGSCSGCGSLSLPLLAGLVAADAVASLLIVGAVFL CARPRRSPAQEDGKVYINMPGRG
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	7.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001007470</a>
Locus ID:	10870
UniProt ID:	<a href="#">Q9UBK5</a>
RefSeq Size:	521



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**Cytogenetics:** 19q13.12

**RefSeq ORF:** 279

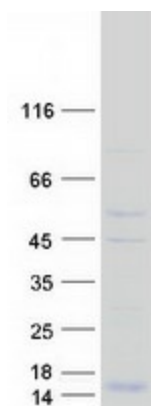
**Synonyms:** DAP10; KAP10; PIK3AP

**Summary:** 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]

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Natural killer cell mediated cytotoxicity

### Product images:



Coomassie blue staining of purified HCST protein (Cat# [TP319253]). The protein was produced from HEK293T cells transfected with HCST cDNA clone (Cat# [RC219253]) using MegaTran 2.0 (Cat# [TT210002]).