

Product datasheet for PH319253

HCST (NM_001007469) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HCST MS Standard C13 and N15-labeled recombinant protein (NP_001007470)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219253
Predicted MW:	9.5 kDa
Protein Sequence:	>RC219253 protein sequence Red =Cloning site Green =Tags(s) MIHLGHILFLLLLPVAAAQTTPGERSSLP AFYPGTSGSCSGCSLSLPLLAGLVAADAVASLLIVGAVFL CARPRRSPAQEDGKVYINMPGRG TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001007470
RefSeq Size:	521
RefSeq ORF:	279
Synonyms:	DAP10; KAP10; PIK3AP
Locus ID:	10870
UniProt ID:	Q9UBK5
Cytogenetics:	19q13.12



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Summary:

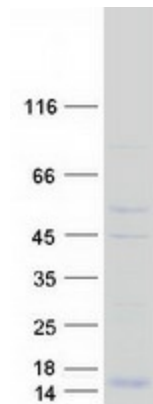
This gene encodes a transmembrane signaling adaptor that contains a YxxM motif in its cytoplasmic domain. The encoded protein may form part of the immune recognition receptor complex with the C-type lectin-like receptor NKG2D. As part of this receptor complex, this protein may activate phosphatidylinositol 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]).