

## Product datasheet for PH300866

### C11orf73 (HIKESHI) (NM\_016401) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	C11orf73 MS Standard C13 and N15-labeled recombinant protein (NP_057485)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200866
Predicted MW:	21.6 kDa
Protein Sequence:	>RC200866 protein sequence Red=Cloning site Green=Tags(s)  MFGCLVAGRLVQTAAQQVAEDKFVFDLPDYESINHVVFMLGTIPFPEGMGGSVYFSYPDSNGMPVWQLL GFVTNGKPSAIFKISGLKSGEGSQHPFGAMNIVRTPSVAQIGISVELLD SMAQQTTPVGNAAVSSVDSFTQ FTQKMLDNFYNFASSFAVSQAQMTPSPSEMFIPANVVLKWYENFQRRLAQNP LFWKT  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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:	<a href="#">NP_057485</a>
RefSeq Size:	1187
RefSeq ORF:	591
Synonyms:	C11orf73; HLD13; HSPC138; HSPC179; L7RN6; OPI10
Locus ID:	51501
UniProt ID:	<a href="#">Q53FT3</a>

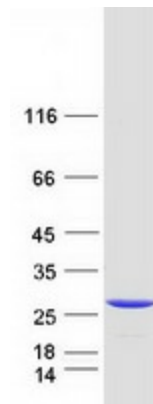


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**Cytogenetics:** 11q14.2

**Summary:** This gene encodes an evolutionarily conserved nuclear transport receptor that mediates heat-shock-induced nuclear import of 70 kDa heat-shock proteins (Hsp70s) through interactions with FG-nucleoporins. The protein mediates transport of the ATP form but not the ADP form of Hsp70 proteins under conditions of heat shock stress. Structural analyses demonstrate that the protein forms an asymmetric homodimer and that the N-terminal domain consists of a jelly-roll/beta-sandwich fold structure that contains hydrophobic pockets involved in FG-nucleoporin recognition. Reduction of RNA expression levels in HeLa cells using small interfering RNAs results in inhibition of heat shock-induced nuclear accumulation of Hsp70s, indicating a role for this gene in regulation of Hsp70 nuclear import during heat shock stress. [provided by RefSeq, Apr 2016]

**Product images:**



Coomassie blue staining of purified HIKESHI protein (Cat# [TP300866]). The protein was produced from HEK293T cells transfected with HIKESHI cDNA clone (Cat# [RC200866]) using MegaTran 2.0 (Cat# [TT210002]).