

## Product datasheet for PH302693

### C1orf41 (HSPB11) (NM\_016126) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HSPB11 MS Standard C13 and N15-labeled recombinant protein (NP_057210)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202693
Predicted MW:	16.3 kDa
Protein Sequence:	>RC202693 protein sequence Red=Cloning site Green=Tags(s)  MRKIDLCLSSEGSEVILATSSDEKHPPENIIDGNPETFWTTTGMFPQEFIICFHKHVRIERLVIQSYFVQ TLKIEKSTSKEPVDFEQWIEKDLVHTEGQLQNEEIVAHDGSA TYLRFIIVSAFDHFASVHSVSAEGTVVS NLSS  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:	<u><a href="#">NP_057210</a></u>
RefSeq Size:	601
RefSeq ORF:	432
Synonyms:	C1orf41; FAP232; HSPCO34; IFT25; PP25
Locus ID:	51668
UniProt ID:	<u><a href="#">Q9Y547</a></u>

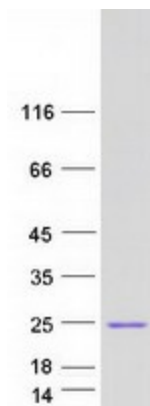


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**Cytogenetics:** 1p32.3

**Summary:** Component of the IFT complex B required for sonic hedgehog/SHH signaling. May mediate transport of SHH components: required for the export of SMO and PTCH1 receptors out of the cilium and the accumulation of GLI2 at the ciliary tip in response to activation of the SHH pathway, suggesting it is involved in the dynamic transport of SHH signaling molecules within the cilium. Not required for ciliary assembly. Its role in intraflagellar transport is mainly seen in tissues rich in ciliated cells such as kidney and testis. Essential for male fertility, spermiogenesis and sperm flagella formation. Plays a role in the early development of the kidney. May be involved in the regulation of ureteric bud initiation (By similarity). [UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified HSPB11 protein (Cat# [TP302693]). The protein was produced from HEK293T cells transfected with HSPB11 cDNA clone (Cat# [RC202693]) using MegaTran 2.0 (Cat# [TT210002]).