

## Product datasheet for PH305758

### MARK3 (NM\_002376) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MARK3 MS Standard C13 and N15-labeled recombinant protein (NP_002367)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205758
Predicted MW:	81.4 kDa
Protein Sequence:	>RC205758 protein sequence Red=Cloning site Green=Tags(s)

MSTRTP LPTVNERDTENHTSHGDGRQEVTSR TSSRGARCRNSIASCAD EQPHIGNYRLLKTIGKGNFAKV  
KLARHILTGREVAIKIIDKTQLNPTSLQKLFREVRIMKILNHPNIVKLFVIE TEKTLYLIMEYASGGEV  
FDYLV AHGRMKEKEARSKFRQIVSAVQYCHQKRI VHRDLKAENLLLDADMNIKIADFGFSNEFTVGGKLD  
TFCGSPPYAAPELFQGKKYDGP EVDVWVSLGVILYTLVSGSLPFDGQNLKELRERVLRGKYRIPFYMSTDC  
ENLLKRFLV LNPIKRG TLEQIMKDRWINAGHEEDELKPFVEPELDISDQKRIDIMVGMGYSQEEIQESLS  
KMKYDEITATYLLLGRKSEL DADSSSSSNLSLAKVRPSSDLN NSTGQSPHHKVQRSVSSSQKRRYS  
HAGPAIPSVVAYPKRSQTSTADSDLKEDGISSRKSSGSAVGGKIAPAS PMLGNASNPNKADIPERKKSS  
TVPSSNTASGGMTRRNTYVCSERTTADRHSVIQNGKENSTIPDQRTPVASTHSISSAATPDRIRFPRGTA  
SRSTFHGQPRERRATYNGPPASPSLSHEATPLSQTRSGSTNLF SKLTSKLTRSRNVSAEQK DENKEAK  
PRSLRFTWSMKTSSMDPGDMMREIRKVL DANNCDYEQRERFLFCVHGDGHAENLVQWEMEYCKLPRLS  
LNGVRFKRISGTSIAFKNIASKIANELKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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_002367</a>



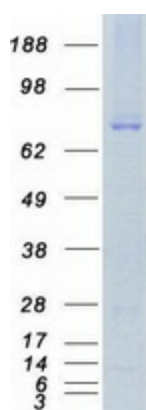
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RefSeq Size:	3474
RefSeq ORF:	2187
Synonyms:	CTAK1; KP78; Par-1a; PAR1A; VIPB
Locus ID:	4140
UniProt ID:	<a href="#">P27448</a>
Cytogenetics:	14q32.32-q32.33

**Summary:** The protein encoded by this gene is activated by phosphorylation and in turn is involved in the phosphorylation of tau proteins MAP2 and MAP4. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

**Protein Families:** Druggable Genome, Protein Kinase

### Product images:



Coomassie blue staining of purified MARK3 protein (Cat# [TP305758]). The protein was produced from HEK293T cells transfected with MARK3 cDNA clone (Cat# [RC205758]) using MegaTran 2.0 (Cat# [TT210002]).