

Recombinant Human MARK3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MARK3-4278H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MARK3 MS Standard C13 and N15-labeled recombinant protein (NP_002367) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	81.4 kDa
AA Sequence	MSTRTP LPTVNERDTENHTSHGDGRQEVT SRTSRSGARCRNSIASCADEQPHIGNY RLLKTIGKGNFAKVKLARHILTGREVAIKIIDKTQLNPTSLQKLFREVRIMKILNHPNIVK LFEVIETEKTLYLIMEYASGGEVFDYLVAHGRMKEKEARSKFRQIVSAVQYCHQKRIV HRDLKAENLLLDADMNIKIADFGFSNEFTVGGKLDTCGSPPYAAPELFQGKKYDGP EVDVWSLGVILYTLVSGSLPFDGQNLKELRERVLRGKYRIPFYMSTDCENLLKRFLVL NPIKRG TLEQIMKDRWINAGHEEDELKPFVEPEL DISDQKRIDIMVGMGYSQEEIQES LSKMKYDEITATYLLLGRKSSELDASDSSSSSNLSLAKVRPSSDLN NSTGQSPHHKV QRSVSSSQKQRRYSDHAGPAIPSVVAYPKRSQTSTADSDLKEDGISSRKSSGSAVG GKG IAPASPMLGNASPNKADIPERKKSSTVPSSNTASGGMTRRNTYVCSE RTTAD RH SVIQNGKENSTIPDQRTPVASTHSISSAATPDRI RFPRGTASRSTFHGQPRERRT

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ATYNGPPASPSLSHEATPLSQTRSRGSTNLFSKLTSLTRSRNVSAEQKDENEAK
 PRSLRFTWSMKTSSMDPGDMMREIRKVLDDANNCDYEQRRERFLLFCVHGDGHAEN
 LVQWEMEVCKLPRLSLNGVRFKRISGTSIAFKNIASKIANELKLTRTRPLEQKLISEED
 LAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MARK3 MAP/microtubule affinity-regulating kinase 3 [Homo sapiens (human)]

Official Symbol MARK3

Synonyms MARK3; MAP/microtubule affinity-regulating kinase 3; CTAK1; KP78; EMK-2; C-TAK1; ELKL motif kinase 2; protein kinase STK10; ser/Thr protein kinase PAR-1; cdc25C-associated protein kinase 1; serine/threonine-protein kinase p78; PAR1A; Par-1a;

Gene ID 4140

mRNA Refseq NM_002376

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Protein Refseq	NP_002367
MIM	602678
UniProt ID	P27448

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