

## Product datasheet for PH324774

### MACC1 (NM\_182762) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MACC1 MS Standard C13 and N15-labeled recombinant protein (NP_877439)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224774
Predicted MW:	96.5 kDa
Protein Sequence:	>RC224774 representing NM_182762 Red=Cloning site Green=Tags(s)

MLITERKHFRSGRIAQSMSEANLIDMEAGKLSKSCNITECQDPDLLHNWPDFTLRGNNASKVANPFWNQ  
LSASNPFLDDITQLRNNRKRNNISILKEDPFLFCREIENGNSFDSSGDELVDVHQLLRQTSSRNSGRSKSV  
SELLDILDDTAHAHQSIHNSDQILLHDLEWLKNDREAYKMAWLSQRQLARSCLDLNTISQSPGWAQTQLA  
EVTIACKVNHQGGSVQLPESDITVHVPQGHVAVGEFQEVSLRAFLDPPHMLNHDLSCTVSPILLEIMLGNL  
NTMEALLLEMKIGAEVRKDPFSQVMTEMVCLHSLGKEGPFKVL SNCYIYKDTIQVKLIDL SQVMYL VVAA  
QAKALPSPAATIWDYIHKTTSIGIYGPKYIHPSTVVL TVCGHNYMPGQLTISDIKKGKNI SPVVFQLW  
GKQSFLLDKPDLSISIFSCDPDFEVKTEGERKEIKQKQLEAGEVVHQQLFSL VEHREMH LDFCVQVE  
PPNGEPVAQFSITTPDPTPNLKRSLNLPGLYQKKEEIKSAPLSPKILVKYPTFDKTLNFSNYGVTLKAV  
LRQSKIDYFLEYFKGDTIALLGEGKVKAI GQSKVKEWYVGLRGKIGLVHCKNVKVI SKEQVMFMSDSVF  
TTRNLLLEQIVLPLKCLTYIYSVLT LVSEKVVYDWKVLADVLGYSHLSLEDFDQIQADKESEKVSYVKKL  
KEDCHTERNTRKFLYELIVALLKMDQELVARLIQEA AVLTSAVKLGKGWRELAEKLVR LTKQQMEAYEI  
PHRGNTGDVAVEMMKPAYDFLYTWSAHYGNNYRDVLDQLQSALDRMKNPVTKHWRELTGVLILVNSLEV  
LRVTAFASTSEEV

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- <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.



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RefSeq: [NP\\_877439](#)

RefSeq Size: 3188

RefSeq ORF: 2556

Synonyms: 7A5; SH3BP4L

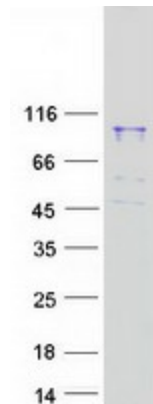
Locus ID: 346389

UniProt ID: [Q6ZN28](#)

Cytogenetics: 7p21.1

**Summary:** MACC1 is a key regulator of the hepatocyte growth factor (HGF; MIM 142409)-HGF receptor (HGFR, or MET; MIM 164860) pathway, which is involved in cellular growth, epithelial-mesenchymal transition, angiogenesis, cell motility, invasiveness, and metastasis. Expression of MACC1 in colon cancer (MIM 114500) specimens is an independent prognostic indicator for metastasis formation and metastasis-free survival (Stein et al., 2009 [PubMed 19098908]). [supplied by OMIM, Mar 2009]

### Product images:



Coomassie blue staining of purified MACC1 protein (Cat# [TP324774]). The protein was produced from HEK293T cells transfected with MACC1 cDNA clone (Cat# [RC224774]) using MegaTran 2.0 (Cat# [TT210002]).