

## Product datasheet for PH321360

### MRC2 (NM\_006039) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MRC2 MS Standard C13 and N15-labeled recombinant protein (NP_006030)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221360
Predicted MW:	166.5 kDa
Protein Sequence:	>RC221360 representing NM_006039 Red=Cloning site Green=Tags(s)

MGPGRPAPAPWPRHLLRCVLLLGLCLHLGRPGAPGDAALPEPNVFLIFSHGLQGCLQAQGGQVRVTPACNT  
SLPAQRWKWVSRNRLFNLGTMQCLGTGWPGTNTTASLGMYECDREALNLRWHCRTLGDQLSLLLGAARTSN  
ISKPGTLERGDQTRSGQWRIYGGSEEDLCALPYHEVYTIQGNSHGKPCPTIPFKYDNQWFHGTSTGREDGH  
LWCATTQDYGKDERWGFCEPKSNDCETFWDKDLTDSCYQFNQSTLSWREAWASCEQQGADLLSITEIH  
EQTYINGLLTGYSSTLWIGLNDLDTSGGWQSDNSPLKYLNWSDQPDNPSEENCGVIRTESSGGWQNRD  
CSIALPYVCKKKPNATAEPTPPDRWANVKVECEPSWQPFQGHYRLQAEKRSWQESKKAACLRGGGDLVSI  
HMAELFETIKQIKQEVEELWIGLNDLKLQMNFEWSDGSLVSFTHWHPFEPNNFRDSEDCVTIWGPEGR  
WNDSPCNQSLPSICKKAGQLSQAAEEDHGCRKGTWHSPSCYWLGEDQVTYSEARRLCTDHGSQVLVITIT  
NRFEQAFVSSLIYNWEGEYFWTALQDLNSTGSFFWLSGDEVMYTHWNRDQPGYSRGGCVLALATGSAMGLW  
EVKNCTSFRRARYICRQSLGTPVTPPELPGPDTPSLTGSCPQGWASDTKLRVYCYKVFSSERLQDKKSWVQA  
QGACQELGAQLLSLASYEEEFVANMLNKIFGESEPEIHEQHWFWIGLNRDRPRGGQSWRWSGDVGFVSYH  
NFDRSRHDDDDIRGCAVLDLQWVAMQCDTQLDWICKIPRGTDVREPDSPQGRREWLRFQEAQYKFF  
EHHSTWAQAQRICTFWQAE LTVSHSQAELDFLSHNLQKFSRAQEQHWWIGLHTSESDGRFRWTDGSIINF  
ISWAPGKPRPVGDKKCVYMTASREDWGDQRCLTALPYICKRSNVTKETQPPDLPTTALGGCPSDWIQFL  
NKCFVQVQGEQPSRVKWEAQFSCEQEAQLVTITNPLEQAFITASLPNVTFDLWIGLHASQRDFQWVEQ  
EPLMYANWAPGEPSPGSPAPSGNKPTSCAVVLHSPSAHFTGRWDDRSCTEETHGFCQKGTDPSPSLSPSPA  
ALPPAPGTLSYLNQTFRLLQKPLRWHDLALLCESHNASLAYVPDPYTQAFLTQAARGLRTPWLWIGLAGE  
EGSRRYSWVSEELNYVGVQDGEPPQPGGCTYVDVDAWRRTSCTDKLQGAFCVGVSSGPPPPRRISYHGS  
CPQGLADSAWIPFHEHCYSFHMELLLGHKEARQRCQRAGGAVLSILDEMENVFVWEHLQSYEQSRGAWL  
GMNFPKGGTLVWQDNTAVNYSNWGPPGLGPSMLSHNSCYWIQSNSGLWRPGACTNITMGVVCKLPRAEQ  
SSFSPSALPENPAALVVVMAVLLLLALLTAALILYRRRQSIERGAFFEGARYSRSSSSPTEATEKNILVS  
DMEMNEQQE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

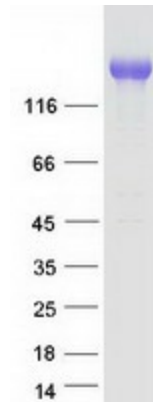
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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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_006030</a>
RefSeq Size:	4700
RefSeq ORF:	4437
Synonyms:	CD280; CLEC13E; ENDO180; UPARAP
Locus ID:	9902
UniProt ID:	<a href="#">Q9UBG0</a>
Cytogenetics:	17q23.2
Summary:	This gene encodes a member of the mannose receptor family of proteins that contain a fibronectin type II domain and multiple C-type lectin-like domains. The encoded protein plays a role in extracellular matrix remodeling by mediating the internalization and lysosomal degradation of collagen ligands. Expression of this gene may play a role in the tumorigenesis and metastasis of several malignancies including breast cancer, gliomas and metastatic bone disease. [provided by RefSeq, Feb 2012]
Protein Families:	Druggable Genome, Transmembrane

### Product images:



Coomassie blue staining of purified MRC2 protein (Cat# [TP321360]). The protein was produced from HEK293T cells transfected with MRC2 cDNA clone (Cat# [RC221360]) using MegaTran 2.0 (Cat# [TT210002]).