

Product datasheet for **TP300993**

MRI1 (NM_001031727) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human methylthioribose-1-phosphate isomerase homolog (<i>S. cerevisiae</i>) (MRI1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200993 protein sequence Red =Cloning site Green =Tags(s)

MTLEAIRYSRGLQILDQLLLLPKQSRYEAVGVSVHQAWEAIRAMKVRGAPAIALVGCLSLAVELQAGAGGP
GLAALVAFVRDKLSFLVTARPTAVNMARAARDLADVAAREAEREGATEEAVRERVICCTEDMLEKDLRDN
RSIGDLGARHLLERVAPSGGKVTVLTHCNTGALATAGYGTALGVIRSLHSLGRLEHAFCTETRPYNQGAR
LTAFELVYEQIPATLITDSMVAAMAHRGVSAAVVVGADRVDVANGDTANKVGTYQLAIVAKHHGIPFYVAA
PSSCDLRLETGKEIIIEERPGQELTDVNGVRIAAPGIGVWNPADFVTPHDLITGGIITELGVFAPEELR
TALTTTISRDTGLDGPQM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

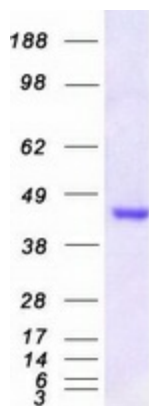
Tag:	C-Myc/DDK
Predicted MW:	39 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_001026897</u>



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Locus ID:	84245
UniProt ID:	Q9BV20
RefSeq Size:	3177
Cytogenetics:	19p13.13
RefSeq ORF:	1107
Synonyms:	M1Pi; MRDI; MTNA; Ypr118w
Summary:	This enzyme functions in the methionine salvage pathway by catalyzing the interconversion of methylthioribose-1-phosphate and methylthioribulose-1-phosphate. Elevated expression of the encoded protein is associated with metastatic melanoma and this protein promotes melanoma cell invasion independent of its enzymatic activity. Mutations in this gene may be associated with vanishing white matter disease (VMWD). [provided by RefSeq, Jul 2016]

Product images:



Coomassie blue staining of purified MRI1 protein (Cat# TP300993). The protein was produced from HEK293T cells transfected with MRI1 cDNA clone (Cat# [RC200993]) using MegaTran 2.0 (Cat# [TT210002]).