

Recombinant Full Length Human MRI1 Protein, C-Flag-tagged

Cat. No. MRI1-1617HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MRI1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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).
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	39 kDa
AA Sequence	MTLEAIRYSRGS LQILDQ LLLPKQSR YEAVGSVHQAW EAIRAMKVRGAPAI ALVGCL SLAVELQAGAGGP GLAALVAFVRDKLSFLVTARPTAVNMARAARDLADVAAREAER EGATEEAVRERVICCTEDMLEKDLRDN RSIGDLGARHLLERVAPSGGKVTVLTHCN TGALATAGYGTALGVIRSLHSLGRLEHAFCTETRPYNQGAR LTAFELVYEQIPATLIT DSMVAAAMAHRGVSAVVVGADRVVANGDTANKVGTYQLAIVAKHHGIPFYVAA PS SSCDLRLETGKEIIIEERPGQELTDVNGVRIAAPGIGVWNPAFDVTPHDLITGGIITELG VFAPEELR

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	TALTTTISRDTGLDGPQMTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	MRI1 methylthioribose-1-phosphate isomerase 1 [Homo sapiens (human)]
Official Symbol	MRI1
Synonyms	M1Pi; MRDI; MTNA; Ypr118w
Gene ID	84245
mRNA Refseq	NM_001031727.4
Protein Refseq	NP_001026897.1
MIM	615105

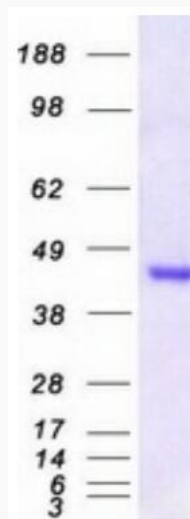
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UniProt ID

Q9BV20



Coomassie blue staining of purified MRI1 protein.

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