

Recombinant Full Length Human MRI1 Protein, GST-tagged

Cat. No. MRI1-6185HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MGC3207 full-length ORF (AAH01703, 1 a.a. - 369 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	369 amino acids
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). [provided by RefSeq, Jul 2016]
Molecular Mass	66.33 kDa
AA Sequence	MTLEAIRYSRGSLLQILDQLLLKPQSRYEAVGSVHQAWEAIRAMKVRGAPAIALVGCL SLAVELQAGAGGPGLAALVAFVRDKLSFLVTARPTAVNMARAARDLADVAAREAER EGATEEAVRERVICCTEDMLEKDLRDNRSIGDLGARHLLERVAPSGGKVTVLTHCNT GALATAGYGTALGVIRSLHSLGRLEHAFCTETRPYNQGARLTAFELVYEQIPATLITD SMVAAAMAHRGVSAVVVGADRVVANGDTANKVGTYQLAIVAKHHGIPFYVAAPSSS CDLRLETGKEIIIEERPGQELTDVNGVRIAAPGIGVWNPAFDVTPHDLITGGIITELGVF APEELRTALTTTISRDTGTLDPQM

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	MRI1 methylthioribose-1-phosphate isomerase 1 [Homo sapiens (human)]
Official Symbol	MRI1
Synonyms	MRI1; methylthioribose-1-phosphate isomerase 1; M1Pi; MRDI; MTNA; Ypr118w; methylthioribose-1-phosphate isomerase; MTR-1-P isomerase; S-methyl-5-thioribose- 1-phosphate isomerase 1; mediator of RhoA-dependent invasion; methylthioribose-1- phosphate isomerase homolog; translation initiation factor eIF-2B subunit alpha/beta/delta-like protein; EC 5.3.1.23
Gene ID	84245
mRNA Refseq	NM_001031727
Protein Refseq	NP_001026897
MIM	615105

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UniProt ID

Q9BV20

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