Recombinant Human MRVI1 Protein

Cat. No. MRVI1-5631H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRVI1 full-length ORF (ADR83074.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
Description	This gene is similar to a putative mouse tumor suppressor gene (Mrvi1) that is frequently disrupted by mouse AIDS-related virus (MRV). The encoded protein, which is found in the membrane of the endoplasmic reticulum, is similar to Jaw1, a lymphoid-restricted protein whose expression is downregulated during lymphoid differentiation. Studies in mouse suggest that MRV integration at Mrvi1 induces myeloid leukemia by altering the expression of a gene important for myeloid cell growth and/or differentiation, and thus this gene may function as a myeloid leukemia tumor suppressor gene. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene, few of which initiate translation at a non-AUG (CUG) start site. [provided by RefSeq
Form	Liquid
Molecular Mass	65.7 kDa
AA Sequence	MALNSPQPGPVESELGKQLLKTGWEGSPLPRSPTQDAAGVGPPASQGRGPAGEP MGPEAGSKAELPPTVSRPPLLRGLSWDSGPEEPGPRLQKVLAKLPLAEEEKRFAGK AGGKLAKAPGLKDFQIQVQPVRMQKLTKLREEHILMRNQNLVGLKLPDLSEAAEQEK GLPSELSPAIEEEESKSGLDVMPNISDVLLRKLRVHRSLPGSAPPLTEKEVENVFVQL

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	SLAFRNDSYTLESRINQAERERNLTEENTEKELENFKASITSSASLWHHCEHRETYQ KLLEDIAVLHRLAARLSSRAEVVGAVRQEKRMSKATEVMMQYVENLKRTYEKDHAE LMEFKKLANQNSSRSCGPSEDGVPRTARSMSLTLGKNMPRRRVSVAVVPKFNALN LPGQTPSSSSIPSLPALSESPNGKGSLPVTSALPALLENGKTNGDPDCEASAPALTL SCLEELSQETKARMEEEAYSKGFQEGLKKTKELQDLKEEEEEQKSESPEEPEEVEE TEEEEKGPRSSKLEELVHFLQVMYPKLCQHWQVIWMMAAVMLVLTVVLGLYNSYNS CAEQADGPLGRSTCSAAQRDSWWSSGLQHEQPTEQ
Applications	Antibody Production Functional Study Compound Screening
Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
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	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name	MRVI1 murine retrovirus integration site 1 homolog [Homo sapiens]
Official Symbol	MRVI1
Synonyms	MRVI1; murine retrovirus integration site 1 homolog; protein MRVI1; inositol 1; 4; 5 triphosphate associated cGMP kinase substrate; IP3R associated cGMP kinase substrate; IRAG; JAW1L; JAW1-related protein MRVI1; IP3R-associated cGMP kinase substrate; inositol 1,4,5-triphosphate receptor-associated cGMP kinase

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	substrate; inositol 1,4,5-trisphosphate receptor-associated cGMP kinase substrate;
Gene ID	10335
mRNA Refseq	NM_001098579
Protein Refseq	NP_001092049
MIM	604673
UniProt ID	Q9Y6F6

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