

Recombinant Human MRVI1 Protein, MYC/DDK-tagged

Cat. No. MRVI1-1939H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MRVI1 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293
Species	Human
Source	HEK293
Description	This gene is similar to a putative mouse tumor suppressor gene (<i>Mrvi1</i>) 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 down-regulated during lymphoid differentiation. This protein is a substrate of cGMP-dependent kinase-1 (PKG1) that can function as a regulator of IP3-induced calcium release. Studies in mouse suggest that MRV integration at <i>Mrvi1</i> 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, and alternative translation start sites, including a non-AUG (CUG) start site, are used. [provided by RefSeq, May 2011]
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	97.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name MRV11 murine retrovirus integration site 1 homolog [Homo sapiens]

Official Symbol MRV11

Synonyms IRAG; JAW1L

Gene ID 10335

mRNA Refseq NM_001098579

Protein Refseq NP_001092049

MIM 604673

UniProt ID Q9Y6F6

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