

Recombinant Full Length Human MR1 Protein, C-Flag-tagged

Cat. No. MR1-609HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MR1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	MAIT (mucosal-associated invariant T-cells) lymphocytes represent a small population of T-cells primarily found in the gut. The protein encoded by this gene is an antigen-presenting molecule that presents metabolites of microbial vitamin B to MAITs. This presentation may activate the MAITs to regulate the amounts of specific types of bacteria in the gut. Several transcript variants encoding different isoforms have been found for this gene, and a pseudogene of it has been detected about 36 kbp upstream on the same chromosome.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	39.2 kDa
AA Sequence	MGELMAFLLPLIIVLMVKHSDSRTHSLRYFRLGVSDPIRGVPEFISVG YVD SHPITTYD SVTRQKEPRAP WMAENLAPDHWERYTQLLRGWQQMFKVELKRLQRHYNHSGSH TYQRMIGCELLEDGSTTGFLQYAYDGQD FLIFNKDTLSWLAVDNVAHTIKQAWEAN QHELLYQKNWLEEECIAWLKRFLEYGKDTLQRTEPPLVRVNR KETFPGV TALFCKA HGFYPPEIYMTWMKNGEEIVQEIDYGDILPSGDGT YQAWASIELDPQSSNLYSCHV EHCGVHMLVLPQVESEIPLVMKAVSGSIVLVIVLAGVGVLVWRRRPREQNGAIYLP

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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.
Protein Families	Transmembrane
Full Length	Full L.

GENE INFORMATION

Gene Name	MR1 major histocompatibility complex, class I-related [Homo sapiens (human)]
Official Symbol	MR1
Synonyms	HLALS
Gene ID	3140
mRNA Refseq	NM_001531.3
Protein Refseq	NP_001522.1

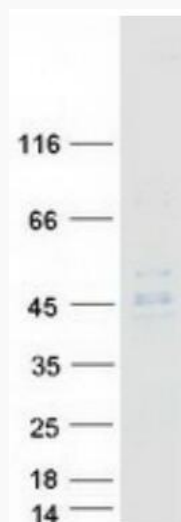
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MIM 600764

UniProt ID Q95460



Coomassie blue staining of purified MR1 protein.

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