

## Product datasheet for **TP320474M**

### MR1 (NM\_001531) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human major histocompatibility complex, class I-related (MR1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220474 representing NM_001531 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MGELMAFLLPLIIVLMVKHSDSRTHSLRYFRLGVSDPIRGVPEFISVGYVDSHPITTYDSVTRQKEPRAP WMAENLAPDHWERYTQLLRGWQQMFKVELKRLQRHYNHSGSHTYQRMIGCELLEDGSTTGFLQYAYDGGQD FLIFNKDTLSWLAVDNVAHTIKQAWEANQHHELLYQKNWLEECCIAWLKRFLEYGKDTLQRTEPPLVRVNR KETFPGVTA LFCKAHGFYPPEIYMTWMKNGEEIVQEIDYGDILPSGDGTYQAWASIELDPQSSNLYSCHV EHCGVHMLVLPQVPESETIPLVMKAVSGSIVLVIVLAGVGLVWRRRRPREQNGAIYLPTPDR  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	39.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001522</a>
Locus ID:	3140



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UniProt ID: [Q95460](#)

RefSeq Size: 1263

Cytogenetics: 1q25.3

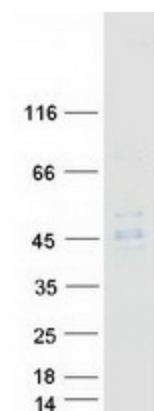
RefSeq ORF: 1023

Synonyms: HLALS

**Summary:** 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. [provided by RefSeq, Jul 2015]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified MR1 protein (Cat# [TP320474]). The protein was produced from HEK293T cells transfected with MR1 cDNA clone (Cat# [RC220474]) using MegaTran 2.0 (Cat# [TT210002]).