

Product datasheet for PH320474

MR1 (NM_001531) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MR1 MS Standard C13 and N15-labeled recombinant protein (NP_001522)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220474
Predicted MW:	39.2 kDa
Protein Sequence:	>RC220474 representing NM_001531 Red=Cloning site Green=Tags(s) <p>MGELMAFLLPLIIVLMVKHSDSRTHSLRYFRLGVSDPIRGVPEFISVGYVDSHPITTYDSVTRQKEPRAP WMAENLAPDHWERYTQLLRGWQMFKVELKRLQRHYNHSGSHTYQRMIGCELLEDGTTGFLQYAYDGQD FLIFNKDTLSWLAVDNVAHTIKQAWANQHLLYQKNWLEEECIAWLKRFLEYGKDTLQRTEPPLVRVNR KETFPGVTAIFCKAHGFYPPEIYMTWMKNGEEIVQEIDYGDILPSGDGTQAWASIELDPQSSNLYSCHV EHCQVHMLVQVPQESETIPLVMKAVSGSIVLVIVLAGVGLVWRRRPREQNGAIYLPDPDR</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001522</u>
RefSeq Size:	1263
RefSeq ORF:	1023
Synonyms:	HLALS
Locus ID:	3140



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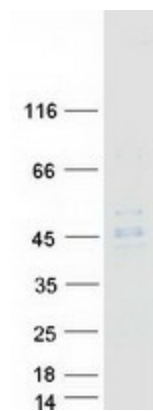
UniProt ID: [Q95460](#)

Cytogenetics: 1q25.3

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]).