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Product datasheet for TP505125

Mr1 (NM_008209) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse major histocompatibility complex, class I-related (Mr1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205125 representing NM_008209 Red=Cloning site Green=Tags(s) MMLLLPLLAVFLVKRSHTRTHSLRYFRLAVSDPGPVVPEFISVGYVDSHPITTYDSVTRQKEPKAPWMAE NLAPDHWERYTQLLRGWQQTFKAELRHLQRHYNHSGLHTYQRMIGCELLEDGSTTGFLQYAYDGQDFIIF NKDTLSWLAMDYVAHITKQAWEANLHELQYQKNWLEEECIAWLKRFLEYGRDTLERTEHPVVRTTRKETF PGITTFFCRAHGFYPPEISMTWMKNGEEIAQEVDYGGVLPSGDGTYQTWLSVNLDPQSNDVYSCHVEHCG RQMVLEAPRESGDILRVSTISGTTILIIALAGVGVLIWRRSQELKEVMYQPTQVNEGSSPS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	39.8 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
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 after receiving vials.
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:	NP_032235
Locus ID:	15064
UniProt ID:	Q8HWB0

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RefSeq Size:	2509
Cytogenetics:	1 G3
RefSeq ORF:	1023
Synonyms:	H2ls
Summary:	Antigen-presenting molecule specialized in presenting microbial vitamin B metabolites (By similarity). Involved in the development and expansion of a small population of T-cells expressing an invariant T-cell receptor alpha chain called mucosal-associated invariant T-cells (MAIT). MAIT lymphocytes are preferentially located in the gut lamina propria and therefore may be involved in monitoring commensal flora or serve as a distress signal. Expression and MAIT cell recognition seem to be ligand-dependent.[UniProtKB/Swiss-Prot Function]