Recombinant Human MPZL2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MPZL2-3214H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MPZL2 MS Standard C13 and N15-labeled recombinant protein (NP_658911) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Thymus development depends on a complex series of interactions between thymocytes and the stromal component of the organ. Epithelial V-like antigen (EVA) is expressed in thymus epithelium and strongly downregulated by thymocyte developmental progression. This gene is expressed in the thymus and in several epithelial structures early in embryogenesis. It is highly homologous to the myelin protein zero and, in thymus-derived epithelial cell lines, is poorly soluble in nonionic detergents, strongly suggesting an association to the cytoskeleton. Its capacity to mediate cell adhesion through a homophilic interaction and its selective regulation by T cell maturation might imply the participation of EVA in the earliest phases of thymus organogenesis. The protein bears a characteristic V-type domain and two potential N-glycosylation sites in the extracellular domain; a putative serine phosphorylation site for casein kinase 2 is also present in the cytoplasmic tail. Two transcript variants encoding the same protein have been found for this gene.
Molecular Mass	24.5 kDa

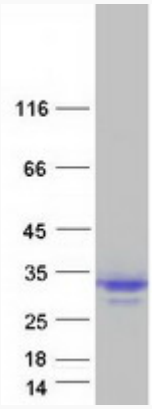
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AA Sequence	MYGKSSTRAVLLLLGIQLTALWPIAAVEIYTSRVLEAVNGTDARLKCTFSSFAPVGDA LTVTWNFRPLDGGPEQFVFYYHIDPFQPMSGRFKDRVSWDGNPERYDASILLWKL QFDDNGTYTCQVKNPPDVDGVIGEIRLSVVHTVRFSEIHFLALAIGSACALMIIIVIVVV LFQHYRKKRWAERAHKVVEIKSKEEERLNQEKKVSVYLEDTDTRTRPLEQKLISEED LAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	MPZL2 myelin protein zero-like 2 [Homo sapiens (human)]
Official Symbol	MPZL2
Synonyms	MPZL2; myelin protein zero-like 2; epithelial V like antigen 1, EVA1; myelin protein zero-like protein 2; EVA; epithelial V-like antigen 1; EVA1;
Gene ID	10205
mRNA Refseq	NM_144765
Protein Refseq	NP_658911

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MIM	604873
UniProt ID	O60487
SDS-PAGE	

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