Recombinant Human MPZL2 Protein, GST-tagged

Cat. No. MPZL2-5526H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MPZL2 full-length ORF (NP_005788.1, 1 a.a. - 215 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq
Molecular Mass	50.9 kDa
AA Sequence	MYGKSSTRAVLLLLGIQLTALWPIAAVEIYTSRVLEAVNGTDARLKCTFSSFAPVGDA

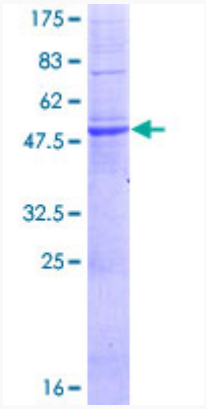
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	LTVTWNFRPLDGGPEQFVFYYHIDPFQPMSGRFKDRVSWDGNPERYDASILLWKL QFDDNGTYTCQVKNPPDVDGVIGEIRLSVVHTVRFSEIHFLALAIGSACALMIIIVIVVV LFQHYRKKRWAERAHKVVEIKSKEEERLNQEKKVSVYLEDTD
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	MPZL2 myelin protein zero-like 2 [Homo sapiens]
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_005797
Protein Refseq	NP_005788
MIM	604873

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UniProt ID	O60487
Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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