

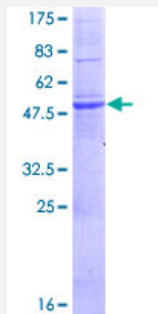
Full-Length

## MPZL2 (Human) Recombinant Protein (P01)

Catalog # H00010205-P01

Size 25 ug, 10 ug

### Applications



### Specification

#### Product Description

Human MPZL2 full-length ORF ( NP\_005788.1, 1 a.a. - 215 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

MYGKSSTRAVLLLLGIQLTALWPAAVEYTSRVLEAVNGTDARLKCTFSSFAPVGDALVTWNFRP  
LDGGPEQVFVYHIDPFQPMSEGRFKDRVSWDGNPERYDASILLWKLQFDDNGTYTCQVKNPPDV  
DGVIGEIRLSVVHTVRFSEIHFLALAIGSACALMIIIVVVLQFQHYRKKRWAERAHKVVEIKSKEEERL  
NQEKKVSYLETD

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

50.9

#### Interspecies Antigen Sequence

Mouse (81); Rat (82)

#### Preparation Method

[in vitro wheat germ expression system](#)

#### Purification

Glutathione Sepharose 4 Fast Flow

#### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

#### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

#### Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Note

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — MPZL2

Entrez GeneID [10205](#)

GeneBank Accession# [NM\\_005797.2](#)

Protein Accession# [NP\\_005788.1](#)

Gene Name MPZL2

Gene Alias EVA, EVA1

Gene Description myelin protein zero-like 2

Omim ID [604873](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

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]

**Other Designations** epithelial V-like antigen 1