

Datasheet for ABIN7504923

**PVALB Protein (AA 2-110) (His tag)**[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	PVALB
Protein Characteristics:	AA 2-110
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PVALB protein is labelled with His tag.

## Product Details

Sequence:	Ser2-Ser110
Characteristics:	Recombinant Human Parvalbumin alpha is produced by our E.coli expression system and the target gene encoding Ser2-Ser110 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	<1.0 EU per µg of the protein as determined by the LAL method.

## Target Details

Target:	PVALB
Alternative Name:	Parvalbumin Alpha ( <a href="#">PVALB Products</a> )
Background:	Abbreviation: PVALB Target Synonym: Parvalbumin Alpha,PVALB Background: Parvalbumin α (PVALB) is a member of the parvalbumin family. PVALB is a high

## Target Details

affinity calcium ion-binding protein, with two EF hand domains. PVALB is structurally and functionally similar to calmodulin and troponin C, it can bind two calcium ions. Parvalbumin is thought to be involved in relaxation after contraction in muscle. Parvalbumin is expressed in a specific population of GABAergic interneurons, which are believed to have a role in maintaining the balance between excitation and inhibition in the cortex as well as the hippocampus.

Molecular Weight:      Calculated MW: 13.1 kDa  
Observed MW: 14 kDa

UniProt:                    [P20472](#)

## Application Details

Restrictions:              For Research Use only

## Handling

Format:                    Lyophilized

Buffer:                    Lyophilized from a 0.2 um filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.  
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage:                   4 °C,-20 °C,-80 °C

Storage Comment:       Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.  
Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date:              12 months