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## Datasheet for ABIN7318868 **PVALB Protein (His tag)**

### Overview

Quantity:	50 µg
Target:	PVALB
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PVALB protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Parvalbumin Alpha/PVALB Protein (His Tag)
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 as determined by the LAL method.

### Target Details

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

## Target Details

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.

Synonym: Parvalbumin Alpha, PVALB

Molecular Weight: 13.1 kDa

UniProt: [P20472](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

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.