

Recombinant Human PVALB Protein, His-tagged

Cat. No. PVALB-2644H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PVALB Protein (Ser2-Ser110) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser2-Ser110
Description	The protein encoded by this gene is a high affinity calcium ion-binding protein that is structurally and functionally similar to calmodulin and troponin C. The encoded protein is thought to be involved in muscle relaxation. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.6 kDa Accurate Molecular Mass: 16 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

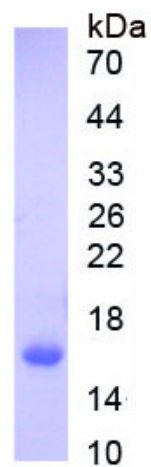
GENE INFORMATION

Gene Name	PVALB parvalbumin [Homo sapiens (human)]
Official Symbol	PVALB
Synonyms	PVALB; parvalbumin; parvalbumin alpha; D22S749; MGC116759;
Gene ID	5816
mRNA Refseq	NM_002854
Protein Refseq	NP_002845
MIM	168890
UniProt ID	P20472

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