

Product Name: Recombinant Human PVALB (C-6His)
Catalog #: PEH1266

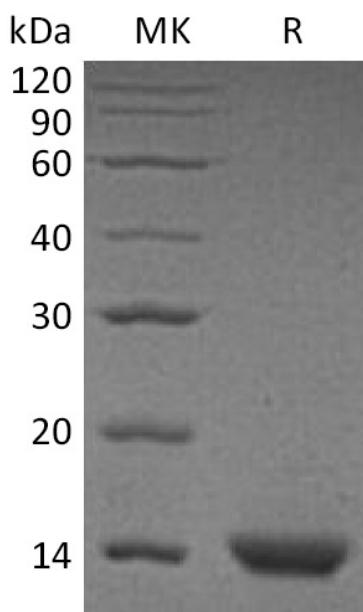


Summary

Name	Parvalbumin alpha/PVALB
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P20472
Host	E.coli
Species	Human
Predicted Molecular Mass	13.12 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

Parvalbumin Alpha; PVALB

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 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.

Note

For Research Use Only , Not for Diagnostic Use.