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Recombinant Human Parvalbumin/PVALB Protein

Catalog No.: RP02946 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	5816	P20472

Tags
C-His

Synonyms
D22S749;Parvalbumin;PVALB;parvalbumin

Product Information

Source	Purification
E. coli	> 95% by SDS-PAGE.

Endotoxin
Please contact us for more information.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Parvalbumins (PVALBs) are particularly abundant in the fast-contracting muscles and correlate positively with muscle relaxation speed in amphibians and fishes. The loss of PVALB plays a role in the pathogenesis of thyroid tumors. The mutations in the PVALB gene are not involved in GS patients who harbour a single or no mutant SLC12A3 allele.

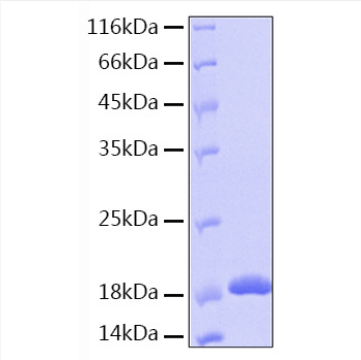
Basic Information

Description
Recombinant Human Parvalbumin/PVALB Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Ser110) of human Parvalbumin/PVALB (Accession #NP_002845.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80°C for long term.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Parvalbumin/PVALB Protein was determined by SDS-PAGE with Coomassie Blue, howing bands at 18 kDa.