Recombinant Human Parvalbumin/PVALB Protein

Catalog No.: RP02946

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Sequence Information

Species
Human

Gene ID
5816

Swiss Prot
P20472

Tags
C-His

Synonyms
D22S749,Parvalbumin,PVALB, parvalbumin

Product Information

Source
E. coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
14.3 kDa

Observed MW
15-19 kDa

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.

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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

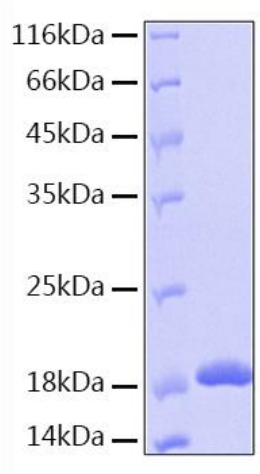
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human Parvalbumin/PVALB Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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