9051 Mira Mesa Blvd, #910094
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PVALB Human

Parvalbumin Human Recombinant
RCP1743

Product Overview

Name	PVALB Human
Description	
Parvalbumin Human Recombinant	
Accession (Primary)	P20472
Synonyms	
Parvalbumin alpha, PVALB, D22S749, MGC116759.	
Introduction	
Parvalbumin alpha (PVALB) is a member of a larger group of EF hand proteins. PVALB is a high affinity calcium ion-binding protein which is structurally and functionally similar to calmodulin and troponin C. Parvalbumin is expressed in a specific population of GABAergic interneurones which are believed to have a role in maintaining the balance between excitation and inhibition in the cortex as well as the hippocampus.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The PVALB solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 50mM NaCl.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSH MSMTDL LNAEDIKKAV GAFSATDSFD HKKFFQMVGLKKKSADDVKK VFHMLDKDKS GFIEEDELGF ILKGFSPDAR DLSAKETKML MAAGDKDGDG KIGVDEFSTL VAES.	
Precautions	
PVALB Human is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (P20472)