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Product Datasheet

Recombinant Human PVALB (C-6His) EBT-EPT149

Article Name	Recombinant Human PVALB (C-6His)
Biozol Catalog Number	EBT-EPT149
Supplier Catalog Number	EPT149
Alternative Catalog Number	EBT-EPT149-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	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....
Molecular Weight	Molecular weight: 13.12 KDa. Apparent molecular weight: 14 KDa, reducing conditions
UniProt	P20472
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test. Background: Parvalbumin alpha (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