

32-4544: Recombinant Human Parvalbumin

Alternative Name : Parvalbumin alpha,PVALB,D22S749,MGC116759.

Description

Source : Escherichia Coli. PVALB Human Recombinant fused with a 24 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 134 amino acids (1-110 a.a.) and having a molecular mass of 14.6kDa. The PVALB is purified by proprietary chromatographic techniques. 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 interneurons which are believed to have a role in maintaining the balance between excitation and inhibition in the cortex as well as the hippocampus.

Product Info

Amount :	25 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The PVALB solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 50mM NaCl.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMSMTDL LNAEDIKKAV GAFSATDSFD HKKFFQMVGLKKKSADDVKK VFHMLDKDKS GFIEEDELGF ILKGFSPDAR DLSAKETKML MAAGDKDGDG KIGVDEFSTL VAES.