

**PVALB, 1-110aa, Human, His tag, E.coli**

**Cat.NO.: TP03606**

---

3th Edition

**Synonyms:**Parvalbumin alpha

**Description:**Parvalbumin alpha, also known PVALB, belongs to a larger group of EF hand proteins. It is a high affinity calcium ion-binding protein that is structurally and functionally similar to calmodulin and troponin C. Parvalbumin is expressed in a specific population of GABAergic interneurons which are thought to play a role in maintaining the balance between excitation and inhibition in the cortex as well as the hippocampus.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 50mM NaCl

**Molecular Weight:**14.6 kDa (134aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSHMSMTDLLNAEDIKKA VGAFSATDSFDHKKFFQMVGLKKKSADDVKKVFHM  
LDKDKSGFIEEDELGFILKGFSPDARDLSAKETKMLMAAGDKDGDGKIGVDEFSTLVAES

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.