

Recombinant Human Parvalbumin / PVALB Protein

Cat. No. PVALB-427H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Full length alpha-Parvalbumin was cloned from human cDNA with a N-term purification tag and expressed in <i>E.coli</i> . It consists of human alpha-parvalbumin (residues 1-109, swissprot accession P20472). The tag is cleaved during the purification. MW =12.0 kDa.
Species	Human
Source	E.coli
Protein Length	1-109 a.a.
Description	Parvalbumin is a calcium binding albumin protein with low molecular weight (typically 9-11 kDa). It has three EF hand motifs and is structurally related to calmodulin and troponin C. Parvalbumin is localised in fast-contracting muscles, where its levels are highest, and in the brain and some endocrine tissues.
Supplied As	0.5mg at 0.5mg/ml in 50mM Tris Ph 7.4, 150mM NaCl. The concentration is calculated by Bradford method.
Purity	> 95% by SDS-PAGE. The protein was observed as a single band migrating at a molecular weight of (<20kDa).
Characteristics	Under the above described conditions, to avoid precipitation or protein dimerization, the product can be concentrated to a maximum of 2mM.

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Storage	-20°C. The protein is stable at 4°C for at least 2 weeks and at 25°C for at least several hours. After initial defrost, aliquot product into individual tubes and refreeze at -20°C. Avoid repeated freeze/defrost cycles.
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Full Length	Full L.
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GENE INFORMATION

Gene Name	PVALB parvalbumin [Homo sapiens]
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Synonyms	PVALB; parvalbumin; D22S749; MGC116759; PVALB;Parvalbumin alpha
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Gene ID	5816
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mRNA Refseq	NM_002854
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Protein Refseq	NP_002845
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MIM	168890
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UniProt ID	P20472
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Chromosome Location	22q13.1
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Function	calcium ion binding
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