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32-7120: Recombinant Human Fatty Acid-Binding Protein 7/FABP7/B-FABP (N-6His)

Gene : FABP7
Gene ID : 2173
Uniprot ID : O15540

Description

Source: E.coli.
MW :17.05kD.
Recombinant Human FABP7 is produced by our E.coli expression system and the target gene encoding Val2-Ala132 is expressed with a 6His tag at the N-terminus. Fatty Acid-Binding Protein 7 (FABP7) is a cytoplasm protein that belongs to the Fatty-acid Binding Protein (FABP) family of calycin superfamily. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids. FABP7 is predominately expressed in brain and neural tissues. FABP7 is involved in fatty acid uptake and intracellular transport and is important in brain development. FABP7 plays a critical role in the transport of a so far unknown hydrophobic ligand with potential morphogenic activity during CNS development. FABP7 is required for the establishment of the radial glial fiber system in developing brain, a system that is necessary for the migration of immature neurons to establish cortical layers.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	MGSSHHHHHHSSGLVPRGSHMVEAFCATWKLTNSQNFDEYMKALGVGFATRQVGNVTKPTVIISQEGDKVVI RTLSTFKNTEISFQLGEEFDETTADDRNCKSVVSLDGDKLVHIQKWDGKETNFVREIKDGKMVMTLTFGDVVA VRHYEKA

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 ÃÂµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.