

## 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.  
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.  
**Storage condition :** 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 :** MGSSHHHHHHSSGLVPRGSHMVEAFCATWKL TNSQNFDEYMKALGVGFATRQVGNVTKPTVIISQEGDKVVI  
RTLSTFKNTEISFQLGEEFDETTADDRNCKSVVSLDGDKLVHIQKWGKETN FVREIKDGKMMVMTLTFGDVVA  
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 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.