

FABP7 Protein, Human (His)

Cat. No.:	HY-P7666
Synonyms:	rHuFABP7, His; Fatty Acid-Binding Protein Brain; B-FABP; Brain-Type Fatty Acid-Binding Protein
Species:	Human
Source:	E. coli
Accession:	O15540 (V2-A132)
Gene ID:	2173
Molecular Weight:	Approximately 16.0 kDa

PROPERTIES

AA Sequence	<pre> HHHHHHVEAF CATWKL TNSQ NFDEYMKALG VGFATRQVGN VTKPTV IISQ EGDKVV IRTL STFKNTEISF QLGEEFDETT ADDRNCKSVV SLDGDKLVHI QKWDGKETNF VREIKDGKMOV MTLTFGDVVA VRHYEKA </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	FABP-7 is a well-known marker of neural stem cells and radial glia in the CNS. In the embryonic brain, FABP7 is essential for the maintenance and proliferation of neural stem-progenitor cells and radial glia ^[2] .
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REFERENCES

[1]. Kagawa Y, et al. Role of FABP7 in tumor cell signaling. *Adv Biol Regul.* 2019;71:206-218.

[2]. Kamizato K, et al. The role of fatty acid binding protein 7 in spinal cord astrocytes in a mouse model of experimental autoimmune encephalomyelitis. *Neuroscience*. 2019;409:120-129.

Caution: Product has not been fully validated for medical applications. For research use only.

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