Recombinant Human FABP3/H-FABP Protein

RPCB0642

Product Information

Product SKU:	RPCB0642	**Gene ID**:	2170	**Size**:	10µg
Tag:	N-His	**Reactivity**:	Human		

Additional Information

Expression Host:	E. coli	**Swissprot:**	P05413
Purity:	> 98% by SDS-PAGE.		

Protein Information

Background: FABP3/H-FABP,FABPs are thought to play a role in the intracellular transport of long-chain fatty acids and their acyl-CoA esters.Fatty acid binding protein-3 is a member of a large superfamily of lipid binding proteins that are expressed in a tissue specific manner . Although all are highly conserved in their tertiary structure, there is only modest aa identity between any two members. The FABP family members are subdivided based on organ or tissue type it was originally expressed or identified; liver- (L-FABP), intestine- (I-FABP), heart- (H-FABP), adipocyte- (A-FABP), epidermal- (E-FABP), ileal- (IL-FABP), brain- (B-FABP), myelin- (M-FABP) and testis-FABP (T-FABP). Human H-FABP, the product of the FABP3 gene, is a 132 aa cytosolic protein that shows a flattened beta -barrel structure generated by a series of antiparallel beta -strands and two alpha -helices . One molecule of FABP3 is capable of binding one long-chain fatty acid . It is suggested that ligands first bind to the outside of the molecule, and this binding subsequently induces a conformational change in the binding protein, resulting in "internalization" of the ligand . Human FABP3 is 86%, 89% and 89% aa identical to mouse, rat and canine FABP3, respectively.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human FABP3/H-FABP Protein , tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.

Endotoxin: < 0.01EU/µg of the protein by LAL method

Contact Details | Dublin, Ireland
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Formulation: Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Storage: Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.

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