Recombinant FABPH protein (His tag)

Catalog Number	544314
Synonyms	Fatty acid-binding protein 3; Heart-type fatty acid-binding protein; H-FABP; Mammary-derived growth inhibitor; MDGI; Muscle fatty acid-binding protein; M-FABP
Species	Human
Expression System	E. coli
Accession	P05413
Molecular Weight	Predictes a molecular mass of 16.38 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	2-133
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 2-133 aa (P05413) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human Fatty Acid-Binding Protein 3 (FABP3) Fragment (aa 2-133) is a high-quality protein product designed for structural and biochemical research. This fragment represents a stable and soluble unit of the heart-type fatty acid-binding protein, ideal for investigating intracellular fatty acid transport mechanisms. Fatty acid-binding proteins (FABPs) are intracellular lipid chaperones that facilitate the transport of long-chain fatty acids and their acyl-CoA esters. The full-length FABP3 protein, also known as heart-type fatty acid-binding protein (H-FABP), is predominantly localized in the cytoplasm and plays a critical role in lipid metabolism, energy homeostasis, and cellular signaling pathways. This recombinant fragment provides a functional domain for studying these essential processes in a soluble and stable format.