



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## Recombinant Human Fatty Acid Binding Protein-3 His Tag

**Catalog No.**  
228-10425

**Source:**  
*Escherichia coli*

### ***Synonyms:***

Fatty acid-binding protein heart, H-FABP, Heart-type fatty acid-binding protein, Muscle fatty acid-binding protein, M-FABP, Mammary-derived growth inhibitor, MDGI, FABP3, FABP11, O-FABP.

### ***Introduction:***

Recombinant Fatty Acid Binding Protein is a newly introduced plasma marker of acute myocardial infarction (AMI). The plasma kinetics of FABP (15kD) closely resemble those of myoglobin in that elevated plasma concentrations are found within 2 hours after AMI and return to normal generally within 18 to 24 hours. But the concentration of FABP in the skeletal muscle is 20 times lower than in cardiac tissue (for myoglobin the same content for cardiac and skeletal tissue), that makes FABP to be more cardiac specific than myoglobin. This makes FABP a useful biochemical marker for the early assessment or exclusion of AMI. FABP also appears to be a useful plasma marker for the estimation of myocardial infarct size.

### ***Description:***

FABP3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 133 amino acids and having a molecular mass of 19.1 kDa. FABP3 is fused to a 37 amino acid His tag at N-terminus and purified by standard chromatography techniques.

### ***Physical Appearance:***

Sterile Filtered colorless liquid formulation.

### ***Formulation:***

FABP3 His-Tag is supplied in 20mM Tris-HCl pH 8.0 and 10% glycerol.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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### ***Stability:***

Store at 4°C if entire vial will be used within 2-4 weeks.

Store, frozen at -20°C for longer periods of time.

**Please avoid freeze thaw cycles.**

### ***Purity:***

Greater than 95% as determined by SDS-PAGE.

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