

Recombinant Murine Fatty-acid-binding Protein 1

Catalog No: #AP60493

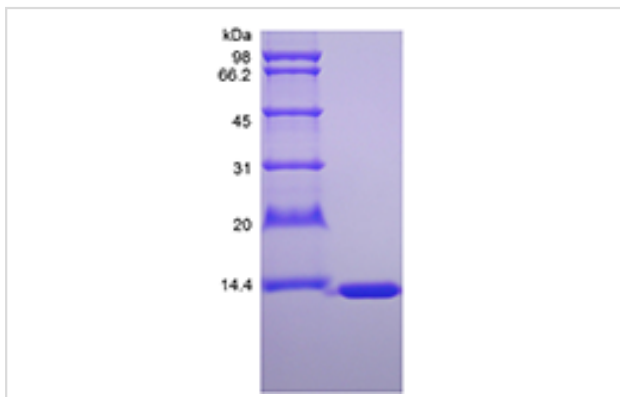
Package Size: #AP60493-1 5ug #AP60493-2 100ug #AP60493-3 500ug

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

| | |
|-----------------|--|
| Product Name | Recombinant Murine Fatty-acid-binding Protein 1 |
| Host Species | Escherichia coli. |
| Purification | > 95 % by SDS-PAGE and HPLC analyses. |
| Other Names | 14 kDa Selenium-binding Protein, Fatty Acid-binding Protein 1, L-FABP |
| Uniprot | P12710 |
| GeneID | 14080 |
| Calculated MW | Approximately 14.2 kDa, a single non-glycosylated polypeptide chain containing 127 amino acids. |
| Target Sequence | MNFSGKYQLQ SQENFEPFMK AIGLPEDLIQ KGKDIKGVSE IVHEGKKIKL TITYGPKVVR NEFTLGEECE LETMTGEKVK AVVKLEGDNK MVTTFKGIKS VTELNGDTIT NTMTLGDIVY KRVSRI |
| Formulation | Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4, 2 % trehalose. |
| Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution. |

Images



Background

The fatty-acid-binding proteins (FABPs) are a family of carrier proteins for fatty acids and other lipophilic substances such as eicosanoids and retinoids. These proteins are thought to facilitate the transfer of fatty acids between extra- and intracellular membranes. Fatty acid-binding protein 1 (FABP1) encoded by the FABP1 gene, also known as liver-type fatty acid-binding protein (L-FABP), is a member of FABP family and it is a small, highly conserved, cytoplasmic proteins. In addition, FABP1 binds free fatty acids and their coenzyme A derivatives, bilirubin, and some other small molecules in the cytoplasm. Furthermore, it may be involved in intracellular lipid transport. Through amino acid sequence comparison, murine FABP1 shares 84 % and 94 % a.a. sequence identity with human and rat FABP1.

Note: This product is for in vitro research use only