Datasheet for ABIN7317652
ACBD6 Protein (His tag)


Go to Product page

## Overview

| Quantity: | $100 \mu \mathrm{~g}$ |
| :--- | :--- |
| Target: | ACBD6 |
| Origin: | Human |
| Source: | Baculovirus infected Insect Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This ACBD6 protein is labelled with His tag. |

Product Details

| Purpose: | Recombinant Human ACBD6 Protein (His Tag) |
| :--- | :--- |
| Sequence: | Met 1-Ala 282 |
| Characteristics: | A DNA sequence encoding the full length of human ACBD6 (NP_115736.1) (Met 1-Ala 282) was |
|  | expressed, with a polyhistidine tag at the N-terminus. |
| Purity: | $>96 \%$ as determined by reducing SDS-PAGE. |
| Endotoxin Level: | $<1.0$ EU per $\mu \mathrm{g}$ as determined by the LAL method. |

Target Details

| Target: | ACBD6 |
| :--- | :--- |
| Alternative Name: | ACBD6 (ACBD6 Products) |
| Background: | Background: Acyl-coenzyme A binding domain-containing member 6 (ACBD6) is a modular <br> protein that carries an acyl-CoA binding domain at its N terminus and two ankyrin motifs at its <br>  |
|  |  |


|  | (ACBD) family, and their annotation is not uniform. All six ACBD proteins contain an ACB |
| :---: | :---: |
|  | domain at the N terminus, but they do not share significant homology at the C -terminal region. |
|  | ACBD6 is a 32 kDa protein that is predicted by sequence analysis to carry an ACB domain |
|  | between residues 42 and 125 and two ANK motifs at its C terminus. This protein binds long- |
|  | chain acyl-CoAs with a strong preference for unsaturated, C18:1-CoA and C20:4-CoA, over |
|  | saturated, C16:0-CoA, acyl species. ACBD6 is not a ubiquitous protein, but it is expressed in |
|  | hematopoietic tissues and appears to be restricted to primitive stem cells present in those |
|  | tissues with functions in blood and vessel development. ACBD6 was detected in bone marrow, |
|  | spleen, placenta, cord blood, circulating CD34+ progenitors, and embryonic-like stem cells |
|  | derived from placenta. In placenta, the protein was only detected in CD34+ progenitor cells |
|  | present in blood and in CD31+ endothelial cells surrounding the blood vessels. These cells were |
|  | also positive for the marker CD133, and they probably constitute hemangiogenic stem cells, |
|  | precursors of both blood and vessels. We propose that human ACBD6 represents a cellular |
|  | marker for primitive progenitor cells with functions in hematopoiesis and vascular endothelium |
|  | development. |
|  | Synonym: MGC2404,ACBD6 |
| Molecular Weight: | 33.4 kDa |
| NCBI Accession: | NP_115736 |
| Application Details |  |
| Restrictions: | For Research Use only |
| Handling |  |
| Format: | Lyophilized |
| Reconstitution: | Please refer to the printed manual for detailed information. |
| Buffer: | Lyophilized from sterile 50 mM Tris, $100 \mathrm{mM} \mathrm{NaCl}, \mathrm{pH} 8.0$ |
| Storage: | $4{ }^{\circ} \mathrm{C},-20^{\circ} \mathrm{C},-80^{\circ} \mathrm{C}$ |
| Storage Comment: | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to $-80^{\circ} \mathrm{C}$. |
|  | Reconstituted protein solution can be stored at $4-8^{\circ} \mathrm{C}$ for $2-7$ days. Aliquots of reconstituted samples are stable at $<-20^{\circ} \mathrm{C}$ for 3 months. |

