

# Recombinant Human ACBD5 Protein (1-461 aa), His-SUMO-tagged

Cat. No. ACBD5-1033H Lot. No. (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human ACBD5 Protein (1-461 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Partial.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | 1-461 aa  |
| <b>Description</b>      | Acyl-CoA binding protein which acts as the peroxisome receptor for pexophagy but is dispensable for aggrephagy and nonselective autophagy. Binds medium- and long-chain acyl-CoA esters.  |
| <b>Form</b>             | Tris-based buffer, 50% glycerol   |
| <b>Molecular Mass</b>   | 67.5 kDa  |
| <b>AA Sequence</b>      | MFQFHAGSWESWCCCLIPADRPWDRGQHWQLEMADTRSVHETRFEAAVKVIQS<br>LPKNGSFQPTNEMMLKFYSFYKQATEGPCKLSRPGFWDPIGRYKWDWSSLGDMT<br>KEEAMIAYVEEMKKIETMPMTEKVEELLRVIGPFYEIVEDKKSGRSSDITSVRLEKISK<br>CLEDLGNVLTSTPNAKTVNGKAESSDSGAEESEEEEAQEEVKGAEQSDNDKMMMKK<br>SADHKNLEVIVTNGYDKDGFVQDIQNDIHASSLNGRSTEEVKPIDENLGQTGKSAV<br>CIHQDINDDHVEDVTGIQHLTSDSDSEVYCDSMEQFGQEESSLDSFTSNNGPFQYYL |

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GGHSSQPMENSGFREDIQVPPGNGNIGNMQVVAVEGKGEVKHGGEDGRNNSGAP  
 HREKRGETDEFNSVRRGRGRHMQHLSEGTKGRQVGSGGDGERWGS DRGSRG  
 SLNEQIALVLMRLQEDMQ

**Purity** > 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA with concentration instruction is sent along with the products.

## GENE INFORMATION

**Gene Name** [ACBD5 acyl-CoA binding domain containing 5 \[ Homo sapiens \]](#)

**Official Symbol** [ACBD5](#)

**Synonyms** ACBD5; DKFZp434A2417; KIAA1996;

**Gene ID** [91452](#)

**mRNA Refseq** [NM\\_001042473](#)

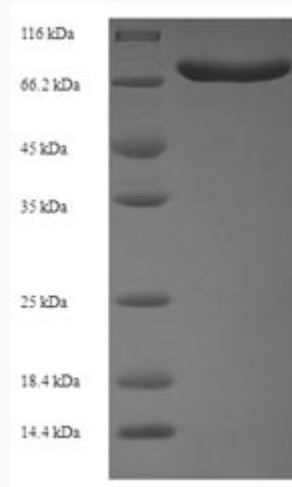
**Protein Refseq** [NP\\_001035938](#)

**UniProt ID** [Q5T8D3](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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