

Recombinant Human SOAT 2 protein (His tag) ab185836

Description

| | |
|-----------------------------------|--|
| Product name | Recombinant Human SOAT 2 protein (His tag) |
| Purity | > 95 % SDS-PAGE. Purity is greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. |
| Endotoxin level | < 1.000 Eu/μg |
| Expression system | Escherichia coli |
| Accession | <u>O75908</u> |
| Protein length | Full length protein |
| Animal free | No |
| Nature | Recombinant |
| Species | Human |
| Sequence | MSDKIIHLTDDSFDTDVLKADGAILVDFWAIEWCGPCKMIA PILDEIADEY QGKLTVAKLNIDQNPGTAPKYGIRGIPTLLLFKNGEVAATKV GALSKGQL KEFLDANLAGSGSGHMHSSGLVPRGSGMKETAA AKFERQHMDSPD LGTDDDDKAMADIGSMNAGSDPVVIVSAARTIGSFNGALA AVPVQDLGS TVIKEVLKRATVAPEDVSEVIFGHVLAAGCGQNPVRQASV GAGIPYSVPA WSCQMICGSLKAVCLAVQSIGIGDSSIVVAGGMENMSK APHLAYLRTGV KIGEMPLTDSILCDGLTDAFHCHMGITAENVAKKWQVSR EDQDKVAVLS QNRTENAQKAGHFDKEIPVLVSTRRGLIEVKTDEFPRHG SNIEAMSKLK PYFLTDGTGTVPANASGINDGAAAVVLMKKSEADKRGLT PLARIVSWSQ VGVEPSIMGIGPIPAIKQAVTKAGWSLEDVDIFEINEAFAAV SAAMKEL GLNPEKVNIEGGAIALGHPLGASGCRILVTLHTLERMGRS RGVAALCIG GGMGIAMCVQRE |
| Predicted molecular weight | 59 kDa including tags |

| | |
|--|--------------------|
| Amino acids | 1 to 397 |
| Tags | His tag N-Terminus |
| Additional sequence information | N-Trx&His |

Specifications

Our **Abpromise guarantee** covers the use of **ab185836** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| | |
|-------------------------|---|
| Applications | SDS-PAGE HPLC |
| Form | Liquid |
| Additional notes | This product was previously labelled as ACAT2, Acetyl-CoA acetyltransferase |

Preparation and Storage

| | |
|------------------------------|--|
| Stability and Storage | Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 7.40 Constituent: 100% PBS Supplied as a 0.2 µM filtered solution |
|------------------------------|--|

General Info

| | |
|------------------------------|--|
| Relevance | Acyl-coenzyme A: cholesterol acyltransferase 2 (SOAT2/ACAT2) catalyzes the formation of cholesterol esters from cholesterol and long chain fatty acyl-coenzyme A. It is associated with lipoprotein particle secretion and thus plays an important role in the metabolism of triglyceride-rich lipoproteins like ApoB100. In humans, ACAT2 is primarily expressed in the small intestine, whereas in other mammals, the enzyme is expressed in the liver and the small intestine. Human ACAT2 has 522 amino acids with an estimated molecular weight of 60 kDa |
| Cellular localization | Endoplasmic reticulum membrane; Multi-pass membrane protein. |

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors