

Product datasheet

Recombinant Human RAO protein **ab157895**

1 Image

Overview

Product name	Recombinant Human RAO protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	RAEFTQMWRHLKEVELPKAPIFLSSTFNNGSTLAAVH ATPRGLRSGDRA TWMALYHNISGVGLFLHPVGLLELLLDHRALDPAHWTV QQVFYLGHYADL
Amino acids	169 to 268
Tags	proprietary tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab157895** in the following tested applications.

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

Applications	Western blot ELISA
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml. Previously labelled as AOC2.

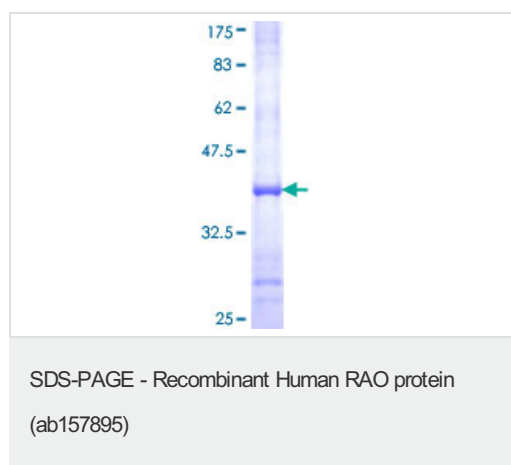
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
------------------------------	--

General Info

Function	Has a monoamine oxidase activity with substrate specificity for 2-phenylethylamine and tryptamine. May play a role in adipogenesis. May be a critical modulator of signal transmission in retina.
Tissue specificity	Expressed in many tissues with much higher expression in retina. Isoform 1 and isoform 2 are expressed in adipose tissue, whereas isoform 1 only seems to be present in thymus, and isoform 2 only in testis.
Sequence similarities	Belongs to the copper/topaquinone oxidase family.
Post-translational modifications	Topaquinone (TPQ) is generated by copper-dependent autoxidation of a specific tyrosyl residue.
Cellular localization	Cell membrane. Present on the surface of the cells and Cytoplasm. Either not translocated to the plasma membrane or below detection level.

Images



ab157895 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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