

Product datasheet

Recombinant Human IDOL protein ab198638

[1 References](#) [1 Image](#)

Description

Product name	Recombinant Human IDOL protein
Purity	>= 89 % SDS-PAGE. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Accession	<u>Q8WY64</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MHHHHHHYKDDDDKLCWTRPDAVLMEVEVEAKANGE DCLNQVCRRLGI IEVDYFGLQFTGSKGESLWLNLRNRISQQMDGLAPYRLKL RVKFFVEPHL ILQEQRHIFFLHIKEALLAGHLLCSPEQAVELSALLAQTKE GDYNQNTA KYNYEELCAKELSSATLNSIVAKHKELEGTSQASAEYQVL QVSAMENYG IEWHSVRDSEGQKLLIGVGPEGISICKDDFSPINRIAYPVVQ MATQSGKN VYLTVTKESGNSVLLFKMISTRAASGLYRAITETHAFYRCD TVTSVMM QYSRDLKGHLASLFLNENINLGKKYVFDIKRTSKEVYDHAR RALYNAGVV DLVSRNNQSPSHSPLKSSSESSMNCSSCEGLSCQQTRVL QEKLRLKEAML CMVCCEEEINSTFCPCGHTVCCESCAAQLQSCPVCRSR VEHVQHVVLPHT TSLNLTVI
Predicted molecular weight	16 kDa including tags
Amino acids	2 to 445
Tags	His-DDDDK tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab198638** 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

Form Liquid

Preparation and Storage

Stability and Storage Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle.
pH: 8.00
Constituents: 0.63% Tris HCl, 0.64% Sodium chloride, 0.017% Potassium chloride, 20% Glycerol (glycerin, glycerine)

Contains 80 µg/ml DDDDK peptide

General Info

Function E3 ubiquitin-protein ligase that mediates ubiquitination and subsequent proteasomal degradation of myosin regulatory light chain (MRLC), LDLR, VLDLR and LRP8. Proteasomal degradation of MRLC leads to inhibit neurite outgrowth in presence of NGF by counteracting the stabilization of MRLC by saposin-like protein (CNPY2/MSAP) and reducing CNPY2-stimulated neurite outgrowth. Acts as a sterol-dependent inhibitor of cellular cholesterol uptake by mediating ubiquitination and subsequent degradation of LDLR.

Tissue specificity Ubiquitously expressed.

Pathway Protein modification; protein ubiquitination.

Sequence similarities Contains 1 FERM domain.
Contains 1 RING-type zinc finger.

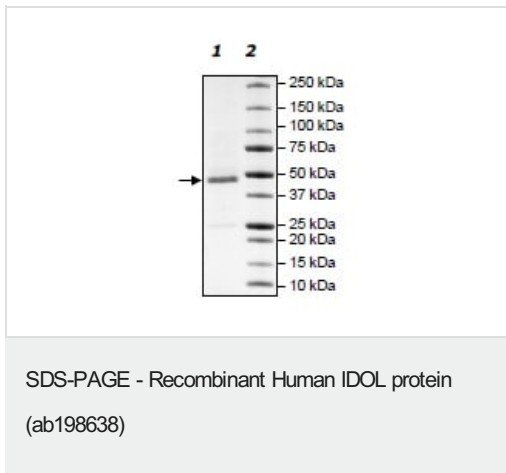
Developmental stage Expressed in fetal tissues and higher levels were detected in placenta and fetal lung.

Domain The RING domain mediates ubiquitination and the neurite outgrowth inhibitory activity.

Post-translational modifications Autoubiquitinated.

Cellular localization Cytoplasm.

Images



4-20% SDS-PAGE with Coomassie staining

Lane 1: 0.9 µg ab198638

Lane 2: Protein marker

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