

Product datasheet

Recombinant Human Ornithine Carbamoyltransferase/OTC protein ab123452

2 Images

Description	
Product name	Recombinant Human Ornithine Carbamoyltransferase/OTC protein
Purity	> 80 % SDS-PAGE.
Expression system	Escherichia coli
Accession	<u>P00480</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MLFNLRILLN NAAFRNGHNF MVRNFRCGQP LQNKVQLKGR DLL TLKNFTG EEIKYMLWLS ADLKFRKQK GEYLPLLQGK SLGMIFEKRS TRTRLSTETG FALLGGHPCF LTTQDIHLGV NESLTD TARV LSSMADAVLA RVYKQSDLDL LAKEASIP II NGLSDLYHPI QILADYLT LQ EHYSSLKGLT LSWIGDGNNI LHSIMMSAAK FGMHLQAATP KGYEPDASVT KLAEQYAKEN GTKLLLTNDP LEAAHGGNVL ITDTWISMGQ EEEEKKRLQA FQGYQVTMKT AKVAASDWTF LHCLPRKPEE VDDEVFYSPR SLVFPEAENR KWTIMAVMVS LLTDYSPQLQKPKFH HHHHHH
Predicted molecular weight	41 kDa
Amino acids	1 to 354
Tags	His tag C-Terminus

Specifications	
Our <b>Abpromise guarantee</b> covers the use of <b>ab123452</b> 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 Western blot

	ELISA
<b>Form</b>	Liquid
<b>Additional notes</b>	Product was previously marketed under the MitoSciences sub-brand. Previously labelled as Ornithine Carbamoyltransferase.

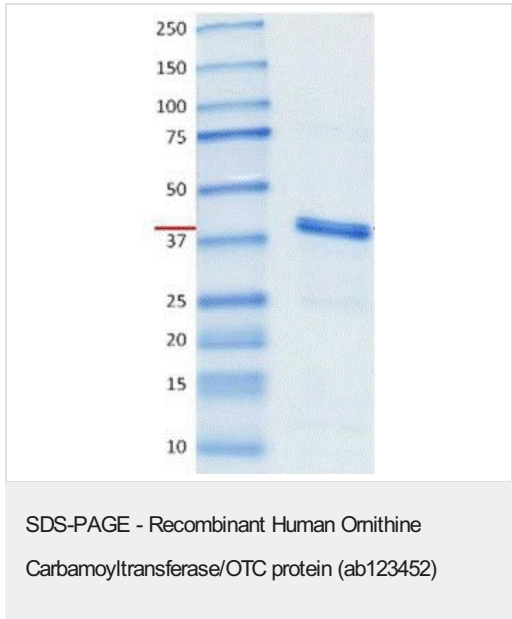
Preparation and Storage

<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.  pH: 7.5 Constituents: 0.79% Tris HCl, 0.15% EDTA, 10% Glycerol (glycerin, glycerine), 0.88% Sodium chloride
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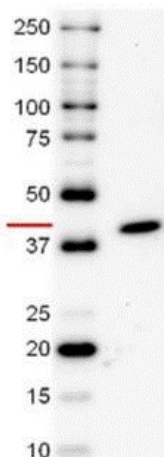
General Info

<b>Tissue specificity</b>	Mainly expressed in liver and intestinal mucosa.
<b>Pathway</b>	Nitrogen metabolism; urea cycle; L-citrulline from L-ornithine and carbamoyl phosphate: step 1/1.
<b>Involvement in disease</b>	Ornithine carbamoyltransferase deficiency
<b>Sequence similarities</b>	Belongs to the ATCase/OTCase family.
<b>Post-translational modifications</b>	Acetylation at Lys-88 negatively regulates ornithine carbamoyltransferase activity in response to nutrient signals.
<b>Cellular localization</b>	Mitochondrion matrix.

Images



10-20% acrylamide separation gel showing ab123452 at approximately 40kDa (1µg).



Western blot - Recombinant Human Ornithine  
Carbamoyltransferase/OTC protein (ab123452)

Anti-Ornithine Carbamoyltransferase/OTC antibody (**ab86665**) at  
0.5 µg/ml + Recombinant Human Ornithine  
Carbamoyltransferase/OTC protein (ab123452) at 0.01 µg

#### Secondary

Goat polyclonal to Rabbit IgG – H&L – Pre-Adsorbed (HRP) at  
1/10000 dilution

Developed using the ECL technique.

**Predicted band size:** 40 kDa

**Observed band size:** 40 kDa

**Exposure time:** 5 minutes

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

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- 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

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