

Recombinant Human FAT10 protein ab113594

1 Image

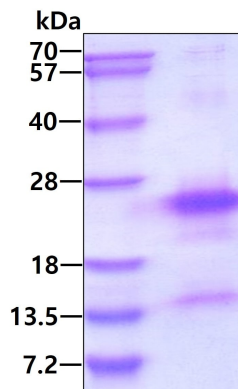
Description	
Product name	Recombinant Human FAT10 protein
Purity	> 85 % SDS-PAGE. ab113594 was purified using conventional chromatography.
Expression system	Escherichia coli
Accession	<u>O15205</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGSMAPNASCLCVHVRS EEWDLMTFDANPY DSVKKIKEHVRSKTKVPVQDQVLLLGSKILKPRRSLSSYGI DKEKTIHLT LKVVKPSDEELPLFLVESGDEAKRHLLQVRSSSSVAQVK AMIETKTGIIP ETQIVTCNGKRLEDGKMMADYGIRKGNLLFLACYCIGG
Predicted molecular weight	21 kDa including tags
Amino acids	1 to 165
Tags	His tag N-Terminus

Specifications	
Our Abpromise guarantee covers the use of ab113594 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	Mass Spectrometry SDS-PAGE
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage	<p>Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.</p> <p>pH: 8.00</p> <p>Constituents: 0.02% DTT, 0.32% Tris HCl, 40% Glycerol (glycerin, glycerine), 0.88% Sodium chloride</p>
General Info	
Function	<p>Ubiquitin-like protein modifier which can be covalently attached to target protein and subsequently leads to their degradation by the 26S proteasome, in a NUB1L-dependent manner. Probably functions as a survival factor. Conjugation ability activated by UBA6. Promotes the expression of the proteasome subunit beta type-9 (PSMB9/LMP2). Regulates TNF-alpha-induced and LPS-mediated activation of the central mediator of innate immunity NF-kappa-B by promoting TNF-alpha-mediated proteasomal degradation of ubiquitinated-Ikappa-B-alpha. Required for TNF-alpha-induced p65 nuclear translocation in renal tubular epithelial cells (RTECs). May be involved in dendritic cell (DC) maturation, the process by which immature dendritic cells differentiate into fully competent antigen-presenting cells that initiate T cell responses. Mediates mitotic non-disjunction and chromosome instability, in long-term in vitro culture and cancers, by abbreviating mitotic phase and impairing the kinetochore localization of MAD2L1 during the prometaphase stage of the cell cycle. May be involved in the formation of aggresomes when proteasome is saturated or impaired. Mediates apoptosis in a caspase-dependent manner, especially in renal epithelium and tubular cells during renal diseases such as polycystic kidney disease and Human immunodeficiency virus (HIV)-associated nephropathy (HIVAN).</p>
Tissue specificity	<p>Constitutively expressed in mature dendritic cells and B cells. Mostly expressed in the reticuloendothelial system (e.g. thymus, spleen), the gastrointestinal system, kidney, lung and prostate gland.</p>
Sequence similarities	<p>Contains 2 ubiquitin-like domains.</p>
Post-translational modifications	<p>Can be acetylated.</p>
Cellular localization	<p>Nucleus. Cytoplasm. Accumulates in aggresomes under proteasome inhibition conditions.</p>

Images



SDS-PAGE - Recombinant Human FAT10 protein
(ab113594)

SDS-PAGE of ab113594 (3 μ g) under reducing condition and visualized by coomassie blue stain.

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