

Recombinant Human ATG3 protein ab152071

製品の詳細

製品名	Recombinant Human ATG3 protein
精製度	> 95 % SDS-PAGE. The purity of ab152071 is greater than 95%, as determined by SEC-HPLC and reducing SDS-PAGE. It is supplied as a 0.2 µM filtered solution.
エンドトキシン・レベル	< 1.000 Eu/µg
発現系	Escherichia coli
アクセッション番号	<u>Q9NT62</u>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	<p>MQNVINTVKGKALEVAEYLTPVLKESKFKETGVITPEEFVAA GDHLVHHC PTWQWATGEELKVKAYLPTGKQFLVTKNVPCYKRCKQMEYSD ELEAIIIE DDGDGGWVDTYHNTGITGITEAVKEITLENKDNIRLQDCSAL CEEEEDED EGEAADMEEYEESGLLETDEATLDTRKIVEACKAKTDAGGED AILQTRTY DLYITYDKYYQTPRLWLFGYDEQRQPLTVEHMYEDISQDHVK KTVTIENTH PHLPPPPMCSVHPCRHAHEVMKKIIETVAEGGGELGVHMYL LIFLKQVAVIPTIEYDYTR HFTM</p>
予測される分子量	33 kDa
領域	1 to 314

特性

Our **Abpromise guarantee** covers the use of **ab152071** in the following tested applications.

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

アプリケーション	SDS-PAGE
	HPLC

製品の状態

Liquid

前処理および保存**保存方法および安定性**

Shipped on Dry Ice. The lyophilized protein is stable for a few weeks at room temperature. Store at -20°C long term.

pH: 8

Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride

関連情報**機能**

E2-like enzyme involved in autophagy and mitochondrial homeostasis. Catalyzes the conjugation of ATG8-like proteins (GABARAP, GABARAPL1, GABARAPL2 or MAP1LC3A) to phosphatidylethanolamine (PE). PE-conjugation to ATG8-like proteins is essential for autophagy. Preferred substrate is MAP1LC3A. Also acts as an autocatalytic E2-like enzyme, catalyzing the conjugation of ATG12 to itself, ATG12 conjugation to ATG3 playing a role in mitochondrial homeostasis but not in autophagy. ATG7 (E1-like enzyme) facilitates this reaction by forming an E1-E2 complex with ATG3.

組織特異性

Widely expressed, with a highest expression in heart, skeletal muscle, kidney, liver and placenta.

配列類似性

Belongs to the ATG3 family.

翻訳後修飾

Conjugated to ATG12 at Lys-243. ATG12-conjugation plays a role in regulation of mitochondrial homeostasis and cell death, while it is not involved in PE-conjugation to ATG8-like proteins and autophagy.

細胞内局在

Cytoplasm.

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

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