

Recombinant Mouse ADAM17 protein (His tag) ab207138

画像数 1

製品の詳細

製品名	Recombinant Mouse ADAM17 protein (His tag)		
精製度	> 90 % SDS-PAGE.		
エンドトキシン・レベル	< 1.000 Eu/μg		
発現系	HEK 293 cells		
アクセッション番号	<u>Q9Z0F8</u>		
タンパク質長	Protein fragment		
Animal free	No		
由来	Recombinant		
生物種	Mouse		
配列	PRPPEEAGSGSHPRLEKLDSELLSDYDILSLANIQQHSIRKRD LQSATHLE TLLTFSALKRHFKLYLTSSTERFSQNLRVVVVDGKEESEYSV KWQNFFSG HVVGEPDSRVLAHIGDDDVTVRINTDGAEYNVEPLWRFVNDT KDKRMLVY KSEDIKDFSRLQSPKVCGYLNADSEELLPKGLIDREPSEEFV RRVKRRAE PNPLKNTCKLLVVADHRFYKYMGRGEESTTTNYLIELIDRVD DIYRNTSW DNAGFKGYGVQIEQIRILKSPQEVKPGERHFNMAKSPNEEK DAWDVKML LEQFSFDIAEEASKVCLAHLFTYQDFDMGTLGLAYVGSPRAN SHGGVCPK AYYNPTVKKNIYLNGLTSTKNYGKILTKEADLVTTHELGH NFGAEHDP DGLAECAPNEDQGGKYVMYPIAVSGDHENKMFNCSKQSIY KTIESKAQ ECFQERSNKVCGNSRVDEGEEDPGIMYLNNDTCCNSDCTLK PGVQCSDR NSPCCKNCQFETAQKKCQEAINATCKGVSYCTGNSSECPPPG DAED		
予測される分子量	63 kDa including tags		

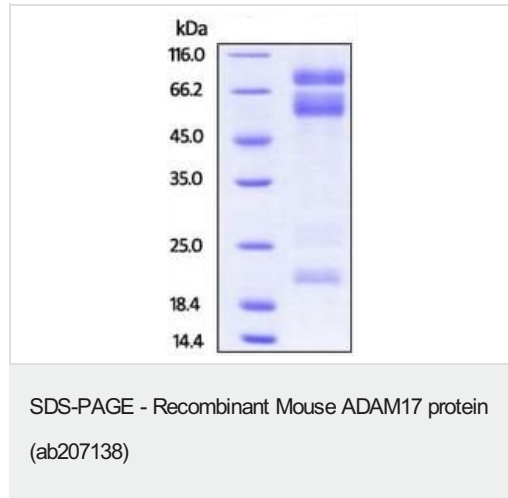
領域	18 to 563
タグ	His tag C-Terminus
配列の追加情報	The predicted N-terminus is Pro 18, Asp 59 and Arg 215.
特性	
Our Abpromise guarantee covers the use of ab207138 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
アプリケーション	SDS-PAGE
製品の状態	Lyophilized
備考	<p>This product is stable after storage at:</p> <p>-20 °C to -70 °C for 12 months in lyophilized state;</p> <p>-70 °C for 3 months under sterile conditions after reconstitution.</p>
前処理および保存	
保存方法および安定性	<p>Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA).</p> <p>pH: 7.4</p> <p>Constituents: 0.98% MES, 0.87% Sodium chloride, 5% Trehalose</p> <p>Lyophilized from 0.22 µm filtered solution.</p>
再構成	Reconstitute with sterile deionized water to a concentration of 200 µg/ml.
関連情報	
機能	Cleaves the membrane-bound precursor of TNF-alpha to its mature soluble form. Responsible for the proteolytical release of soluble JAM3 from endothelial cells surface. Responsible for the proteolytic release of several other cell-surface proteins, including p75 TNF-receptor, interleukin 1 receptor type II, p55 TNF-receptor, transforming growth factor-alpha, L-selectin, growth hormone receptor, MUC1 and the amyloid precursor protein. Also involved in the activation of Notch pathway.
組織特異性	Ubiquitously expressed. Expressed at highest levels in adult heart, placenta, skeletal muscle, pancreas, spleen, thymus, prostate, testes, ovary and small intestine, and in fetal brain, lung, liver and kidney.
配列類似性	<p>Contains 1 disintegrin domain.</p> <p>Contains 1 peptidase M12B domain.</p>
ドメイン	<p>Must be membrane anchored to cleave the different substrates. The cytoplasmic domain is not required for the this activity. Only the catalytic domain is essential to shed TNF and p75 TNFR.</p> <p>The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.</p>
翻訳後修飾	<p>The precursor is cleaved by a furin endopeptidase.</p> <p>Phosphorylated. Stimulation by growth factor or phorbol 12-myristate 13-acetate induces</p>

phosphorylation of Ser-819 but decreases phosphorylation of Ser-791.

細胞内局在

Membrane.

画像



DTT-reduced SDS-PAGE analysis of ab207138 stained overnight with Coomassie Blue.

DTT-reduced protein migrates as 19 kDa and 20 kDa (propeptide), 55-66 kDa (mature-ADAM17) and 75-94 kDa (pro-ADAM17) in SDS-PAGE due to glycosylation.

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