

# Recombinant *S. cerevisiae* KEX2 protease protein (Active) ab96554

## 1 References

描述	
产品名称	重组 <i>S. cerevisiae</i> KEX2 protease蛋白(Active)
生物活性	<p>ab96554 from High-5 insect cells contains the same specific activity and recognition sequence specificity as yeast derived KEX2.</p> <p>1 milligram of recombinant KEX2 contains activity equivalent to at least 40 units of yeast derived KEX2.</p> <p>Cleaves at the carboxyl side of K/R-R.</p>
纯度	<p>&gt; 95 % SDS-PAGE.</p> <p>&gt;= 95% HPLC analyses.</p>
内毒素水平	< 1.000 Eu/μg
表达系统	BTI-TN-5B1-4 cells
Accession	<b><u>P13134</u></b>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	<i>Saccharomyces cerevisiae</i>
序列	<div>LPVPAPPMDS SLLPVKEAED KLSINDPLFE</div> <div>RQWHLVNPSF PGSDINVLDL WYNNITGAGV</div> <div>VAAIVDDGLD YENEDLKDNF CAEGSWDFND</div> <div>NTNLPKPRLS DDYHGTRCAG EIAAKKGNNF</div> <div>CGVGVGYNAL ISGIRILSGD ITTEDEAASL</div> <div>IYGLDVNDIY SCSWGPADDG RHLQGPSDLV</div> <div>KKALVKGVTE GRDSKGAIYV FASGNGGTRG</div> <div>DNCNYDGYTN SIYSITIGAI DHKDLHPPYS</div> <div>EGCSAVMAVT YSSGSGEYIH SSDINGRCSN</div> <div>SHGGTSAAAP LAAGVYTLLL EANPNLTWRD</div> <div>VQYLSILSAV GLEKNADGDW RDSAMGKKYS</div> <div>HRYGFGKIDA HKLIEMSKTW ENVNAQTWFY</div> <div>LPTLYVSQST NSTEETLESV ITISEKSLQD</div> <div>ANFKRIEHTV VTVDIDTEIR GTTTVDLISP</div> <div>AGIISNLGVV RPRDVSSEGF KDWTFMSVAH</div> <div>WGENGVGDWK IKVKTTENGH RIDFHSWRLK</div>

LFGESIDSSK TETFVFGNDK EEVEPAATES  
TVSQYSASST SISISATSTS SISIGVETSA  
IPQTTTASTD PDSDPNT

预测分子量	60 kDa
氨基酸	110 to 667
描述	重组 <i>S. cerevisiae</i> KEX2 protease蛋白(Active)

## 技术指标

Our **Abpromise guarantee** covers the use of **ab96554** in the following tested applications.

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

应用	HPLC SDS-PAGE Functional Studies
形式	Lyophilized

## 制备和贮存

稳定性和存储	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.  Constituents: 0.0555% Calcium chloride, 0.082% Sodium acetate  This product is an active protein and may elicit a biological response in vivo, handle with caution.
复溶	Reconstitute in water to 0.1-1.0 mg/ml. Store at 2°C to 8°C for up to 1 week or prepare for extended storage. After initial reconstitution, further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA). Store working aliquots at -20°C to -80°C

## 常规信息

相关性	Kex2 in the yeast <i>Saccharomyces cerevisiae</i> is a transmembrane, Ca <sup>2+</sup> -dependent serine protease of the subtilisin-like pro-protein convertase (SPC) family with specificity for cleavage after paired basic amino acids. At steady state, Kex2 is predominantly localized in late Golgi compartments and initiates the proteolytic maturation of pro-protein precursors that transit the distal secretory pathway. However, Kex2 localization is not static, and its itinerary apparently involves transiting out of the late Golgi and cycling back from post-Golgi endosomal compartments during its lifetime.
细胞定位	Golgi apparatus; trans-Golgi network; trans-Golgi network membrane; single-pass type I membrane protein.

**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.cn/abpromise> or contact our technical team.

#### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors