



碧云天生物技术/Beyotime Biotechnology
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Recombinant Bovine EK, His-tag

产品编号	产品名称	包装
P7064-100IU	Recombinant Bovine EK, His-tag	100IU
P7064-250IU	Recombinant Bovine EK, His-tag	250IU
P7064-1000IU	Recombinant Bovine EK, His-tag	1000IU

产品简介:

Species	Gene ID	Accession	Source	Length	MW	Tag
Bovine	282009	P98072	<i>E. coli</i>	241aa	28kDa	His

About this protein	
Name	Recombinant Bovine EK, His-tag (Recombinant Bovine Enterokinase Light Chain, His-tag; rBoEK, His-tag); 重组牛轻链肠激酶, His标签
Synonyms	Enterokinase; ENTK; PRSS7; TMPRSS15; EC 3.4.21; EC 3.4.21.9; Enterokinase; ENTKenterokinase; MGC133046; protease, serine, 7 (enterokinase); PRSS7enteropeptidase; Serine protease 7; Transmembrane protease serine 15; transmembrane protease, serine 15
Purity	N/A
Biological Activity	N/A
Physical Appearance	Sterile liquid.
Formulation	50mM Tris-HCl, pH8.0, 0.5M NaCl and 50% glycerol.
Endotoxin	Less than 1EU/μg of rBoEKL, His-tag as determined by LAL method.
Reconstitution	N/A
Category	Enzymes
Background	<p>Enterokinase (EK) is an amino protease existing in duodenum of mammal and is involved in digestion. It consists of a disulfidelinked 82-140kDa heavy chain which anchors enterokinase in the intestinal brush border membrane and a 35-62kDa light chain which contains the catalytic subunit. Additionally, both of the chains are derived from a single precursor that is cleaved by a trypsin-like protease. EK can specially recognize the amino acid sequence DDDDK, and digest the peptide bond after the lysine residue.</p> <p>rEK was report to be more effective than nature EK in cleaving recombinant proteins. Furthermore, the light chain possesses the whole enzyme activity of EK.</p> <p>rBoEK has the highest activity than EK of other species and is used wildly in biochemical applications. rBoEK with 6X His-tag binds with Ni²⁺ affinity chromatography and was designed for removing from digestion system.</p>
Amino Acid Sequence	N/A

包装清单:

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—	说明书	1份

保存条件:

-20°C或更低温度保存, 至少一年有效。由于蛋白的每次冻融均会引起部分失活, 所以首次配制成相应浓度的储存液后(请根据产品简介中Reconstitution一栏的信息配制储存液), 须分装后-20°C或更低温度冻存, 以避免反复冻融。

注意事项:

- 由于有些塑料管壁对某些蛋白有较强的吸附作用，溶液中的蛋白很容易粘附在管壁上，并且粘附后的蛋白很难与管壁分离。而载体蛋白(Carrier protein, 如0.1% BSA等)的主要作用是预先封闭塑料管壁上的蛋白结合位点，使细胞因子或重组蛋白不会粘附于管壁。所以一定要使用产品简介中Reconstitution一栏的信息配制储存液。
- 本产品仅限于专业人员的科学研究用，不得用于临床诊断或治疗，不得用于食品或药品，不得存放于普通住宅内。
- 为了您的安全和健康，请穿实验服并戴一次性手套操作。

使用说明：

1. 收到产品后请立即按照说明书推荐的条件保存。除非特别注明，碧云天相关产品均为冻干粉，由于微量的蛋白在冻干过程中沉积在管内，形成很薄或不可见的蛋白层，所以在打开管盖前，我们建议在离心机中约8,000-12,000g离心10-30秒，使附着在管盖或管壁上的蛋白聚集于管底。
2. 请根据实验目的并按照产品简介中Reconstitution一栏中的信息配制储存液。大多数细胞因子或重组蛋白的冻干粉是很容易溶解的，一般用移液枪的枪头轻吹几下或者轻轻摇晃瓶子，即可使细胞因子或重组蛋白完全溶解。请勿用vortex剧烈振荡，以免蛋白变性而失活。
3. 具体的最佳工作浓度请自行参考相关文献，或者根据实验目的，以及特定细胞和动物，通过实验进行摸索和优化。

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