

Product datasheet

Recombinant human Pin1 protein ab51230

1 图像

概述

产品名称	重组人Pin1蛋白
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Escherichia coli
氨基酸序列	
种属	Human
序列	MADEEKLPPGW EK RMSRSSGRVYYFNHITNASQWERPSGN SSSGGKNGQG EPARVRC SHLLVKHSQSR RPSSWRQEKITRTKEE ALELIN GYIQKIKSGE EDFESLASQFSDCSSAKARGDLGAFSRGQM QKPFEDASFA LRTGEMSGPV FTDSGIHIILRTE

技术指标

Our [Abpromise guarantee](#) covers the use of **ab51230** in the following tested applications.

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

生物活性 Specific activity is > 330 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1 μmole of suc-AAFP-pNA per minute at 25°C in Tris-HCl pH8.0 using chymotrypsin.

Activity Assay

1. Prepare 180ul assay buffer into a suitable container: 133mM Tris-HCl, pH8.0, 5.5nM chymotrypsin, and 0.5ug of Pin1 recombinant protein.
For blanks, load 133mM Tris-HCl, pH8.0 and 5.5nM chymotrypsin. (Enzyme dilution buffer: 133mM Tris-HCl, pH8.0)
2. Add 20ul of 5mM suc-AAFP-pNA to each well.
(Substrate has to be dissolved in buffer of 460mM Lithium chloride in 3mM 2,2,2-Trifluoroethanol)
3. Incubated at room temperature for 10minutes.
4. Record the increase in A405 nm for 30 minutes at 37°C.

Note: Specific activity is lot specific and is always > 330 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1 μmole of suc-AAFP-pNA per minute at 25°C in Tris-HCl pH8.0 using chymotrypsin. Please inquire about lot specific activity

应用	Functional Studies SDS-PAGE
内毒素水平	< 1.000 Eu/μg
质谱法	MALDI-TOF
纯度	> 95 % SDS-PAGE.
形式	Liquid

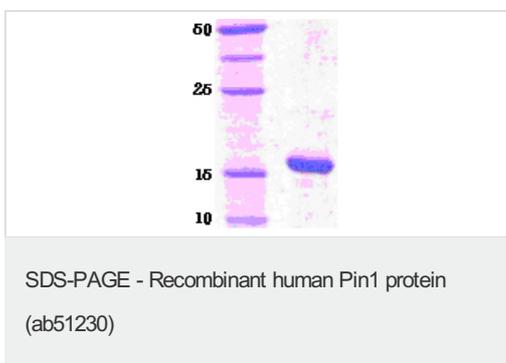
制备和贮存

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. pH: 7.50 Constituents: 0.077% DTT, 0.316% Tris HCl, 20% Glycerol, 0.58% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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常规信息

功能	Essential PPlase that regulates mitosis presumably by interacting with NIMA and attenuating its mitosis-promoting activity. Displays a preference for an acidic residue N-terminal to the isomerized proline bond. Catalyzing pSer/Thr-Pro cis/trans isomerizations.
序列相似性	Contains 1 PpiC domain. Contains 1 WW domain.
结构域	The WW domain is required for the interaction with STIL and KIF20B.
翻译后修饰	Phosphorylated upon DNA damage, probably by ATM or ATR.
细胞定位	Nucleus.

图片



ab51230 run on a 14% SDS-PAGE gel with molecular weight markers.

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