abcam

Product datasheet

Recombinant human FKBP6 protein ab123536

Overview

Product name	Recombinant human FKBP6 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Accession	O75344
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGGSALNQGV LEGDDAPGQS LYERLSQRML DISGDRGVLK DVIREGAGDL VAPDASVLVK YSGYLEHMDR PFDSNYFRKT PRLMKLGEDI TLWGMELGLL SMRRGELARF LFKPNYAYGT LGCPPLIPPN TTVLFEIELL DFLDCAESDK FCALSAEQQD QFPLQKVLKV AATEREFGNY LFRQNRFYDA KVRYKRALLL LRRRSAPPEE QHLVEAAKLP VLLNLSFTYL KLDRPTIALC YGEQALIIDQ KNAKALFRCG QACLLLTEYQ KARDFLVRAQ KEQPFNHDIN NELKKLASCY RDYVDKEKEM WHRMFAPCGD GSTAGES.
Molecular weight	39 kDa including tags
Amino acids	1 to 327
Tags	His tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab123536** in the following tested applications.

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

Biological activity	Specific activity is > 50 nmoles/min/ug, and is defined as the amount of enzyme that cleaves 1umole of suc-AAFP-pNA per minute at 1C in Tris-Hcl pH8.0 using chymotrypsin.
Applications	Functional Studies

	SDS-PAGE
Purity	> 95 % SDS-PAGE. ab123536 was purified by standard chromatography and filter sterilized.
Form	Liquid
Additional notes	Please prevent freeze thaw cycles.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Store under desiccating conditions. pH: 8.00 Constituents: 0.02% DTT, 0.32% Tris HCl, 0.03% EDTA, 40% Glycerol, 0.29% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Function	PPIases accelerate the folding of proteins.
Tissue specificity	Detected in all tissues examined, with higher expression in testis, heart, skeletal muscle, liver, and kidney.
Involvement in disease	Note=FKBP6 is located in the Williams-Beuren syndrome (WBS) critical region. WBS results from a hemizygous deletion of several genes on chromosome 7q11.23, thought to arise as a consequence of unequal crossing over between highly homologous low-copy repeat sequences flanking the deleted region. Haploinsufficiency of FKBP6 may be the cause of certain cardiovascular and musculo-skeletal abnormalities observed in the disease.
Sequence similarities	Contains 1 PPIase FKBP-type domain. Contains 3 TPR repeats.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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 http://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

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