Datasheet for ABIN1046925

POLR2F Protein (AA 2-216, partial) (GST tag)

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Overview

Quantity:	100 µg
Target:	POLR2F
Protein Characteristics:	AA 2-216, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This POLR2F protein is labelled with GST tag.
Application:	ELISA

Product Details

Sequence:	MLGTEGGEGF VVKVRGLPWS CSADEVQRFF SDCKIQNGAQ GIRFIYTREG RPSGEAFVEL ESEDEVKLAL KKDRETMGHR YVEVFKSNNV EMDWVLKHTG PNSPDTANDG FVRLRGLPFG CSKEEIVQFF SGLEIVPNGI TLPVDFQGRS TGEAFVQFAS QEIAEKALKK HKERIGHRYI EIFKSSRAEV RTHYDPPRKL MAMQRPGPYD RPGAG
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

Target Details

Target:	POLR2F
Alternative Name:	DNA-directed RNA polymerases I, II, and III subunit RPABC2 protein (POLR2F Products)

Target Details

Background:	DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Common component of RNA polymerases I, II, and III which synthesize ribosomal RNA precursors, mRNA precursors and many functional non-coding RNAs, and small RNAs, such as 5S rRNA and tRNAs, respectively. Pol II is the central component of the basal RNA polymerase II transcription machinery. Pols are composed of mobile elements that move relative to each other. In Pol II, POLR2F/RPB6 is part of the clamp element and togther with parts of RPB1 and RPB2 forms a pocket to which the RPB4-RPB7 subcomplex binds.
Molecular Weight:	51.6 kD
UniProt:	P31943
Pathways:	Regulatory RNA Pathways

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C

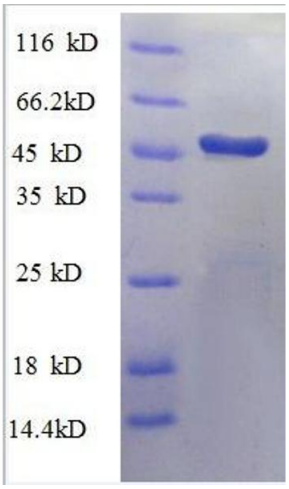
Handling

Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

Publications

Product cited in:	Dietz, Neibergs, Womack, Kehrli: "Rapid communication: single strand conformational polymorphism (SSCP) of bovine tumor necrosis factor alpha." in: **Journal of animal science**, Vol. 75, Issue 9, pp. 2567, (1997) (PubMed). Mertens, Muriuki, Gaidulis: "Cloning of two members of the TNF-superfamily in cattle: CD40 ligand and tumor necrosis factor alpha." in: **Immunogenetics**, Vol. 42, Issue 5, pp. 430-1, (1995) (PubMed).

Images



SDS-PAGE

Image 1. Polymerase (RNA) II (DNA Directed) Polypeptide F (POLR2F) (AA 2-216), (partial) protein (GST tag)