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PUMA Protein (AA 76-170) (His tag, Strep II tag)



Image



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Quantity:	0.05 mg
Target:	PUMA (BBC3)
Protein Characteristics:	AA 76-170
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PUMA protein is labelled with His tag, Strep II tag.
Application:	Western Blotting (WB), ELISA, Mass Spectrometry (MS)
Product Details	
Purity:	~95 %
Target Details	

Target Details

Target:	PUMA (BBC3)
Alternative Name:	PUMA (BBC3 Products)
Background:	Apoptosis is related to many diseases and development. The p53 tumor-suppressor protein
	induces apoptosis through transcriptional activation of several genes. A novel p53 inducible
	pro-apoptotic gene was identified recently and designated PUMA (for p53 upregulated
	modulator of apoptosis) and bbc3 (for Bcl-2 binding component 3) in human and mouse (1-3).
	PUMA is one of the pro-apoptotic Bcl-2 family members including Bax and Noxa, which are also
	transcriptional targets of p53. The PUMA gene encodes two BH3 domain-containing proteins

Target Details

termed PUMA-? and PUMA-? (1). PUMA proteins bind Bcl-2, localize to the mitochondria, and
induce cytochrome c release and apoptosis in response to p53. PUMA may be a direct
mediator of p53-induced apoptosis. This PUMA recombinant protein is recognized by several
ProSci PUMA monoclonal antibodies, but not the two polyclonal antibodies (PSI # 3041 and
3043).

Molecular Weight:	15 kDa (Calculated)
Gene ID:	27113
OMIM:	56748610
UniProt:	Q9BXH1

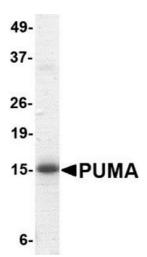
Pathways: p53 Signaling, Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	This recombinant protein can be used for WB, ELISA, MS.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	1X PBS containing 0.1 % SDS and 0.02 % NaN
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze/thaw cycles. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
Storage:	-80 °C
Storage Comment:	Store in working aliquots at -70 °C.



Western Blotting

Image 1.