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Datasheet for ABIN1511769

**EGR1 Protein (AA 1-498) (His tag)**

## Overview

Quantity:	1 mg
Target:	EGR1
Protein Characteristics:	AA 1-498
Origin:	Xenopus tropicalis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This EGR1 protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	MAAAKTDM LV SPLQISDPFS SFPHSPTMDN YPKLEEMMLL NPGAPQFLGA AVPEGSGFNS PVEGSEQFDH LAADAFSDMS LSGEKAVIES SYANQSARLP SLTYTGRFSL EPAPNSSNTL WPEPLFSLVS GLVGMANASP SSAPSSSPSS SSSSSQSPPL SCSVQSNDS PIYSAAPTFP NSSPELFPDQ SPQPFQNA ST ASIPYPPPAY PVSKTTFQVP MIPDYLFPQQ QGDVSLVSAD QKPFQAMESR TQQPSLTPLS TIKAFATQTS QDLKTINSTY QSQIKPSRM RKYPNRPSKT PPHERPYACP VESCDRRFSR SDELTRHIRI HTGQKPFQCR ICMRNFSRSD HLTTHIRHTH GEKPFACDIC GRKFARSDER KRHTKIHLRQ KDKKADKATP VSVASPVSSY SPSASTSYPS PVPTSYSSPV SSAYPSPVHS SFPSPTTAVT YPSVTSTFQT HGITSFPSSI VTNSFSSPVS SALSDMSITY SPRTIEIC
Specificity:	Xenopus tropicalis (Western clawed frog) (Silurana tropicalis)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

## Product Details

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Purity: > 90 %

## Target Details

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Target: EGR1

Alternative Name: Early growth response protein 1 (egr1) ([EGR1 Products](#))

Background: Recommended name: Early growth response protein 1.  
Short name= EGR-1

UniProt: [A4II20](#)

Pathways: [Regulation of Carbohydrate Metabolic Process](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

## Application Details

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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 modiflicated 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

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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

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