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Datasheet for ABIN1651193

**Ethylene-Responsive Transcription Factor 4 (ERF4) (AA 1-227)  
protein (His tag)**

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | Ethylene-Responsive Transcription Factor 4 (ERF4) |
| Protein Characteristics:      | AA 1-227  |
| Origin:                       | Nicotiana tabacum                                 |
| Source:                       | Yeast   |
| Protein Type:                 | Recombinant                                       |
| Purification tag / Conjugate: | His tag   |
| Application:                  | ELISA   |

## Product Details

|                  |   |
|------------------|---|
| Sequence:        | MAVKNKVSNG DLKGGNVKTN GVKEVHYRGV RKRPWGRYAA EIRDPGKKSR VWLGTFTDAE<br>EAAKAYDTAA REFRGPKAKT NFPLPSENQS TSHSSTMESS SGETGIHAPP HAPLELDLTR<br>RLGSVAADGG DNCRRSGEVG YPIFHQQPTV AVL PNGQPVL LFD SLWRPGV VNR PQPYHVM<br>PMAMGFNGVN AGVDPTVSDS SSVVEENQYD GKRGIDL DLN LAP PTEF |
| Specificity:     | Nicotiana glauca (Wood tobacco) (South American tobacco)  |
| 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.  |
| Purity:          | > 90 %  |

## Target Details

|         |   |
|---------|---|
| Target: | Ethylene-Responsive Transcription Factor 4 (ERF4) |
|---------|---|

## Target Details

Abstract: [ERF4 Products](#)

Background: Recommended name: Ethylene-responsive transcription factor 4.  
Alternative name(s): Ethylene-responsive element-binding factor 3.  
Short name= EREBP-3 Ethylene-responsive element-binding factor 4 homolog NsERF3

UniProt: [Q9LW49](#)

Pathways: [Activation of Innate immune Response](#)

## 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 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

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

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