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## Datasheet for ABIN1613839 MAPK12 Protein (AA 1-372) (His tag)



| Overview                      |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | MAPK12  |
| Protein Characteristics:      | AA 1-372                                      |
| Origin:                       | Arabidopsis thaliana                          |
| Source:                       | Yeast   |
| Protein Type:                 | Recombinant                                   |
| Purification tag / Conjugate: | This MAPK12 protein is labelled with His tag. |
| Application:                  | ELISA   |
| Product Details               |   |
|                               |   |

| Sequence:                        | MSGESSSGST EHCIKVVPTH GGRYVQYNVY GQLFEVSRKY VPPIRPIGRG ACGIVCAAVN  |
|----------------------------------|--|
|                                  | SVTGEKVAIK KIGNAFDNII DAKRTLREIK LLRHMDHENV ITIKDIVRPP QRDIFNDVYI  |
|                                  | VYELMDTDLQ RILRSNQTLT SDQCRFLVYQ LLRGLKYVHS ANILHRDLRP SNVLLNSKNE  |
|                                  | LKIGDFGLAR TTSDTDFMTE YVVTRWYRAP ELLLNCSEYT AAIDIWSVGC ILGEIMTGQP  |
|                                  | LFPGKDYVHQ LRLITELVGS PDNSSLGFLR SDNARRYVRQ LPRYPKQQFA ARFPKMPTTA  |
|                                  | IDLLERMLVF DPNRRISVDE ALGHAYLSPH HDVAKEPVCS TPFSFDFEHP SCTEEHIKEL  |
|                                  | IYKESVKFNP DH  |
|                                  |  |
| Specificity:                     | Arabidopsis thaliana (Mouse-ear cress)   |
| Specificity:<br>Characteristics: | Arabidopsis thaliana (Mouse-ear cress)<br>Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien |
|                                  |  |

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## Target Details

| Target:           | MAPK12   |
|-------------------|--|
| Alternative Name: | Mitogen-activated protein kinase 12 (MPK12) (MAPK12 Products)                              |
| Background:       | Recommended name: Mitogen-activated protein kinase 12.                                     |
|                   | Short name= AtMPK12.   |
|                   | Short name= MAP kinase 12.   |
|                   | EC= 2.7.11.24  |
| UniProt:          | Q8GYQ5   |
| Pathways:         | MAPK Signaling, Neurotrophin Signaling Pathway, Regulation of Muscle Cell Differentiation, |
|                   | Hepatitis C, BCR Signaling, S100 Proteins  |

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

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