

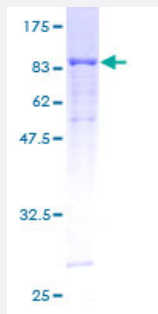
Full-Length

STK3 (Human) Recombinant Protein (P01)

Catalog # H00006788-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human STK3 full-length ORF (AAH10640, 1 a.a. - 491 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEQPPAPKSKLKKLSEDSLTKQPEEVFDVLEKLGEGSVFKAHKESGQVVAIKQVPVESDL
QEIIKEISIMQQCDSPYVVKYGSYFKNTDLWVMEYCGAGSVSDIIRLRNKTLIEDEIATILKSTLKGLE
YLHFMRKIHDIKAGNILLNTEGHAKLADFGVAGQLTDTMAKRNTVIGTPFWMAPEVIQEIYNCVA
DIWSLGITSIEMAEGKPPYADIHPMRAIFMIPTNPPPTFRKPELWSDDFTDFVKKCLVKNPEQRATA
TQLLQHPFIKNAKPVSI LRDLITEAMEIKAKRHEEQQRELEEEENSDDELDSTHVMKTSVESVG
TMRATSTMSEGAQTMIEHNSTMLES DLGTMVINSEDEEEEDGTMKRNATSPQVQRPSFMDYFDK
QDFKNKSHENCNQNMHEPFPMSKNVFPDNNWKVPQDGDGDFLKNLSLEELQMRLKALDPMMER
EIEELRQRYTAKRQPI LDAMDAKKRRQQNF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

79.75

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — STK3

Entrez GeneID[6788](#)**GeneBank Accession#**[BC010640](#)**Protein Accession#**[AAH10640](#)**Gene Name**

STK3

Gene Alias

FLJ90748, KRS1, MST2

Gene Description

serine/threonine kinase 3 (STE20 homolog, yeast)

Omim ID[605030](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Protein kinase activation is a frequent response of cells to treatment with growth factors, chemical s, heat shock, or apoptosis-inducing agents. This protein kinase activation presumably allows cell s to resist unfavorable environmental conditions. The yeast 'sterile 20' (Ste20) kinase acts upstream of the mitogen-activated protein kinase (MAPK) cascade that is activated under a variety of stress conditions. MST2 was identified as a kinase that is activated by the proapoptotic agents staurosporine and FAS ligand (MIM 134638) (Taylor et al., 1996 [PubMed 8816758]; Lee et al., 2001 [PubMed 11278283]).[supplied by OMIM]

Other Designations

serine/threonine kinase 3 (Ste20, yeast homolog)

Pathway

- [MAPK signaling pathway](#)