

Recombinant Human YSK4 (MAP3K19), GST-tagged

Cat. No. YSK4-57H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human YSK4 (MAP3K19) (941-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	941-end a.a.
Description	YSK4 (MAP3K19, RCK) belongs to STE Ser/Thr protein kinase family and STE20 subfamily. The YSK4 gene is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, and rat. The important paralog is MAP3K1 gene. The RCK ligand-binding domains form an octameric gating ring in the large-conductance Ca ²⁺ -activated K ⁺ channels. The YSK4 kinase function has not been made clearly yet.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~83 kDa
Applications	Kinase Assay, Western Blot
Storage	Store product at -70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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GENE INFORMATION

Gene Name	YSK4 YSK4 Sps1/Ste20-related kinase homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	YSK4
Synonyms	YSK4; YSK4 Sps1/Ste20-related kinase homolog (S. cerevisiae); yeast Sps1/Ste20 related kinase 4 (S. cerevisiae) , Yeast Sps1/Ste20 related kinase 4 (S. cerevisiae); SPS1/STE20-related protein kinase YSK4; FLJ23074; regulated in COPD kinase; regulated in COPD, protein kinase; yeast Sps1/Ste20-related kinase 4; RCK;
Gene ID	80122
mRNA Refseq	NM_001018046
Protein Refseq	NP_001018056
UniProt ID	Q56UN5
Chromosome Location	2q21.3
Function	ATP binding; nucleotide binding; protein serine/threonine kinase activity;

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