

Recombinant Human Serine/Threonine Kinase 32B, GST-tagged

Cat. No. STK32B-1105H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full-length recombinant human STK32B (YANK2) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	STK32B or YANK2 is a serine/threonine protein kinase that contains motif for binding metal ions and nucleotides and the gene for STK32B is highly conserved among various species. STK32B has been associated with isolated cleft lip with or without cleft palate and cleft palate which are among the most common human birth defects of oral cleft cases. Long interspersed nuclear element-1 (LINE-1 or L1) mediated deletion of STK32B gene is observed in patients with Ellis-van Creveld syndrome with borderline intelligence.
Applications	Kinase Assay; Western Blot
Molecular Weight	72 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25% glycerol.

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Purity	> 95 %
Specific Activity	14 nmol/min/mg
Concentration	0.1 ug/ul
Sequences	Full-length
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.

GENE INFORMATION

Gene Name	STK32B serine/threonine kinase 32B [Homo sapiens]
Official Symbol	STK32B
Synonyms	STK32B; serine/threonine kinase 32B; STK32; STKG6; YANK2; HSA250839; Serine/threonine kinase 32B; EC=2.7.11.1; gene for serine/threonine protein kinase; serine/threonine-protein kinase 32B; EC 2.7.11; EC 2.7.11.1; OTTHUMP00000217008; OTTHUMP00000217009; OTTHUMP00000217010; OTTHUMP00000115490
Gene ID	55351
mRNA Refseq	NM_018481
Protein Refseq	NP_060871
UniProt ID	Q9NY57

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Chromosome Location	4p16.2
Function	ATP binding; metal ion binding; nucleotide binding; protein serine/threonine kinase activity