# Serine/Threonine-Protein Kinase 33 (STK33) Human Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Serine/threonine-protein kinase 33 (STK33), Recombinant Protein |
| **Full Product Name** | Recombinant Human Serine/threonine-protein kinase 33 (STK33) |
| **Product Gene Name** | STK33 recombinant protein |
| **Product Synonym Gene Name** | STK33 |
| **Sequence** | MADSGLDKKS TKCPDCSSAS QKDVLCVCSS KTRVPPVLVV EMSQTSSIGS AESLISLERK KEKNINRDIT SRKDLPSRTS NVERKASQQQ WGRGNFTEGK VPHIRIENGA AIEEIYTFGR ILGKGSFGIV IEATDKETET KWAIKKVNKE KAGSSAVKLL EREVNILKSV KHEHIIHLEQ VFETPKKMYL VMELCEDGEL KEILDRKGHF SENETRWIIQ SLASAIAYLH NNDIVHRDLK LENIMVKSSL IDDNNEINLN IKVTDFGLAV KKQSRSEAML QATCGTPIYM APEVISAHDY SQQCDIWSIG VVMYMLLRGE PPFLASSEEK LFELIRKGEL HFENAVWNSI SDCAKSVLKQ LMKVDPAHRI TAKELLDNQW LTGNKLSSVR PTNVLEMMKE WKNNPESVEE NTTEEKNKPS TEEKLKSYQP WGNVPDANYT SDEEEEKQST AYEKQFPATS KDNFDMCSSS FTSSKLLPAE IKGEMEKTPV TPSQGTATKY PAKSGALSRT KKKL |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 50,176 Da |
| **Sequence Positions** | 1-514, Full length protein |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **OMIM** | 607670 |
| **3D Structure** | ModBase 3D Structure for Q9BYT3 |
| **Species** | Human |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for STK33 recombinant protein** | MBS1439254 is a recombinant protein targeting STK33. Also known as Recombinant Human Serine/threonine-protein kinase 33 (STK33). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of STK33 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STK33. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 573459728 |
| **NCBI GeneID** | 65975 |

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| **NCBI Accession #** | NP_001275987.1 |
| **UniProt Primary Accession #** | Q9BYT3 |
| **UniProt Secondary Accession #** | Q658S6; Q8NEF5 |
| **UniProt Related Accession #** | Q9BYT3 |
| **GenBank Nucleotide #** | NM_001289058.1 |
| **NCBI Official Full Name** | serine/threonine-protein kinase 33 isoform b |
| **NCBI Official Synonym Full Names** | serine/threonine kinase 33 |
| **NCBI Official Symbol** | STK33 |
| **UniProt Protein Name** | Serine/threonine-protein kinase 33 |
| **Protein Family** | Serine/threonine-protein kinase |
| **UniProt Gene Name** | STK33 |
| **NCBI Protein Information** | serine/threonine-protein kinase 33 |
| **UniProt Comments for STK33** | Serine/threonine protein kinase which phosphorylates VIME. May play a specific role in the dynamic behavior of the intermediate filament cytoskeleton by phosphorylation of VIME (). Not essential for the survival of KRAS-dependent AML cell lines. |
| **Research Articles on STK33** | **1.** Dysregulated HIF1alpha/STK33 signaling promotes pancreatic ductal adenocarcinoma (PDAC) growth and progression, this suggests that STK33 is a candidate therapeutic target to improve PDAC treatment. |
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