

Title (en)
SPECIFIC PEPTIDE SUBSTRATE FOR HUMAN YAK1, YAK3A, AND YAK3B AND YEAST YAK1 PROTEIN KINASES

Title (de)
SPEZIFISCHES PEPTIDSUBSTRAT FÜR MENSCHLICHE YAK1, YAK3A UND YAK3B, SOWIE YAK1 PROTEINKINASE AUS HEVE

Title (fr)
SUBSTRAT PEPTIDIQUE SPECIFIQUE DES PROTEINES KINASES HUMAINES YAK1, YAK3A, ET YAK3B, ET DE LA PROTEINE KINASE YAK1 DE LA LEVURE

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Application
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Abstract (en)
[origin: WO0132918A1] hYAK1, hYAK3a and 3b, and yeast YAK1 polypeptides and polynucleotides, methods for producing such polypeptides by recombinant techniques, and methods of using Ser-164 and these polypeptides and polynucleotides to determine the effect on phosphorylation are disclosed. Also disclosed are methods for utilizing hYAK1, hYAK3a and 3b, and yeast YAK1 polypeptides and polynucleotides in the design of protocols for the treatment of bone loss including osteoporosis; inflammatory diseases such as Adult Respiratory Disease Syndrome (ARDS), Rheumatoid arthritis, Osteoarthritis, Inflammatory Bowel Disease (IBD), psoriasis, dermatitis, asthma, allergies; infections such as bacterial, fungal, protozoan and viral infections, particularly infections caused by HIV-1 or HIV-2; HIV-associated cachexia and other immunodeficiency disorders; septic shock; pain; injury; cancers; anorexia; bulimia; Parkinson's disease; cardiovascular disease including restenosis, atherosclerosis, acute heart failure, myocardial infarction; hypotension; hypertension; urinary retention; angina pectoris; ulcers; benign prostatic hypertrophy; and psychotic and neurological disorders, including anxiety, schizophrenia, manic depression, delirium, dementia, severe mental retardation and dyskinesias, such as Huntington's disease or Gilles de la Tourette's syndrome, among others, and diagnostic assays for such conditions.

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