Recombinant Human ERK5 (N-GST tag)

Cat No:HR2R1374

For research use only

Overview

Quantity	10 ?g
Gene Symbol	ERK5
Gene ID	N/A
Accession	NM_139033
Alternative Name	MAPK7, BMK1, ERK4, PRKM7
Species	Human
Source	Insect cells
Description	ERK5 is a member of the MAP kinase family and is involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. ERK5 is activated by mitogen-activated protein kinase kinase 5 (MAP2K5/MEK5) and is involved in downstream signaling processes of various receptors. In response to extracelluar signals, ERK5 translocates to cell nucleus where it regulates gene expression by phosphorylating and activating different transcription factors. Gene deletion of ERK5 in mice results in defective blood vessel and cardiac development leading to embryonic lethality . ERK5 has been shown to be critical for endothelial function and maintenance of blood vessel integrity .?
Functions	The specific activity of ERK5 was determined to be 11 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	132
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?C. 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.