Recombinant Human PRKY, GST-tagged

Cat. No. PRKY-829H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PRKY (40-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	40-end
Description	PRKY or protein kinase, Y-linked, pseudogene is a novel serine/threonine subtype of protein kinase that appears to encode a protein related to the catalytic subunit of the cAMP-dependent protein kinases which are key players in the cellular responses to the second messenger cAMP. PRKY gene is classified as a transcribed pseudogene because it has lost a coding exon that results in all transcripts being candidates for nonsense-mediated decay (NMD) and unlikely to express a protein. Abnormal XY interchange between a novel isolated protein kinase gene, PRKY, and its homologue, PRKX, accounts for one third of all (Y+)XX males and (Y-)XY females.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~53 kDa
Purity	>75%

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Applications	Western Blot
Stability	1yr at –70°C from date of shipment
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.
Concentration	0.1ug/ul

GENE INFORMATION

Gene Name	PRKY protein kinase, Y-linked, pseudogene [Homo sapiens]
Official Symbol	PRKY
Synonyms	PRKY; protein kinase, Y-linked, pseudogene; PRKYP; PRKXP3; protein kinase, Y-linked; EC 2.7.11.1; EC 2.7.11; Serine/threonine protein kinase PRKY
Gene ID	5616
mRNA Refseq	NM_002760
MIM	400008
UniProt ID	O43930
Chromosome Location	Yp11.2
Function	ATP binding; protein serine/threonine kinase activity

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