Recombinant Human PAK1 Protein (Glu252-Cys501), His tagged

Cat. No. PAK1-2727H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PAK1 (Glu252-Cys501) protein fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu252-Cys501
Description	P21-activated kinase-1 (PAK1) is an enzyme associated with multiple metabolic networks and different types of cancers.PAK1 (RAC/CDC42-activated kinase 1) is the major oncogenic/ageing kinase, and its dysfunction extends the healthy lifespan of C. elegans by activating HSP16 gene.The p21 protein (Cdc42/Rac) -activated kinase 1 (PAK1) expression appears to be predictive of prognosis in various solid tumors.PAK1 expression may be a predictive marker of overall survival and disease-specific survival in patients with solid tumors.p21-Activated kinase 1 (PAK1) has attracted much attention as a potential therapeutic target due to its central role in many oncogenic signaling pathways, its frequent dysregulation in cancers and neurological disorders, and its tractability as a target for small-molecule inhibition.
Molecular Mass	27.85 kDa
Purity	>90 % as determined by SDS-PAGE.

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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	PAK1 p21 protein (Cdc42/Rac) -activated kinase 1 [Homo sapiens (human)]
Official Symbol	PAK1
Synonyms	PAK1; p21 protein (Cdc42/Rac) -activated kinase 1; p21/Cdc42/Rac1 activated kinase 1 (STE20 homolog, yeast), p21/Cdc42/Rac1 activated kinase 1 (yeast Ste20 related); serine/threonine-protein kinase PAK 1; STE20 homolog; yeast; p65-PAK; alpha-PAK; STE20 homolog, yeast; p21/Cdc42/Rac1-activated kinase 1 (yeast Ste20-related); p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast); PAKalpha; MGC130000; MGC130001;
Gene ID	5058
mRNA Refseq	NM_001128620
Protein Refseq	NP_001122092

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MIM	602590
UniProt ID	Q13153

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