

Recombinant Human PGK1 protein ab87630

2 Images

Description	
Product name	Recombinant Human PGK1 protein
Purity	> 95 % SDS-PAGE. Purified by using conventional chromatography techniques.
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MSLSNKLTLD KLDVKGKRVV MRVDFNVPMK NNQITNNQRI KAAVPSIKFC LDNGAKSVVL MSHLGRPDGV PMPDKYSLEP VAVELKSLLG KDVFLKDCV GPEVEKACAN PAAGSVILLE NLRFHVEEEG KGKDASGNKV KAEPAKIEAF RASLSKLGDV YVNDAFGTAH RAHSSMVGVN LPQKAGGFLM KKELNYFAKA LESPFRPFLA ILGGAKVADK IQLINNMLDK VNEMIIGGGM AFTFLKVLNN MEIGTSLFDE EGAKMKDLM SKAEKNGVKI TLPVDFVTAD KFDENAKTGQ ATVASGIPAG WMGLDCGPES SKKYAEAVTR AKQMWNGPV GVFEWEAFAR GTKALMDEVV KATSRGCITIIGGGDTATCC AKWNTEDKVS HVSTGGGASL ELLEGKVLPG VDALSNI
Amino acids	1 to 417

Specifications	
Our Abpromise guarantee covers the use of ab87630 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	SDS-PAGE Western blot
Form	Liquid
Additional notes	Endotoxin level: < 1.0 EU per 1 µg of protein (determined by LAL method)

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.0154% DTT, 0.242% Tris, 10% Glycerol (glycerin, glycerine)

General Info

Function

In addition to its role as a glycolytic enzyme, it seems that PGK-1 acts as a polymerase alpha cofactor protein (primer recognition protein).

Pathway

Carbohydrate degradation; glycolysis; pyruvate from D-glyceraldehyde 3-phosphate: step 2/5.

Involvement in disease

Defects in PGK1 are the cause of phosphoglycerate kinase 1 deficiency (PGK1D) [MIM:300653]. It is a condition with a highly variable clinical phenotype that includes hemolytic anemia, rhabdomyolysis, myopathy and neurologic involvement. Patients can express one or more of these manifestations.

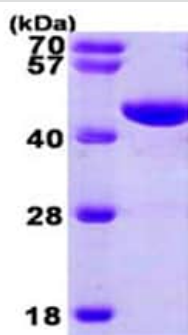
Sequence similarities

Belongs to the phosphoglycerate kinase family.

Cellular localization

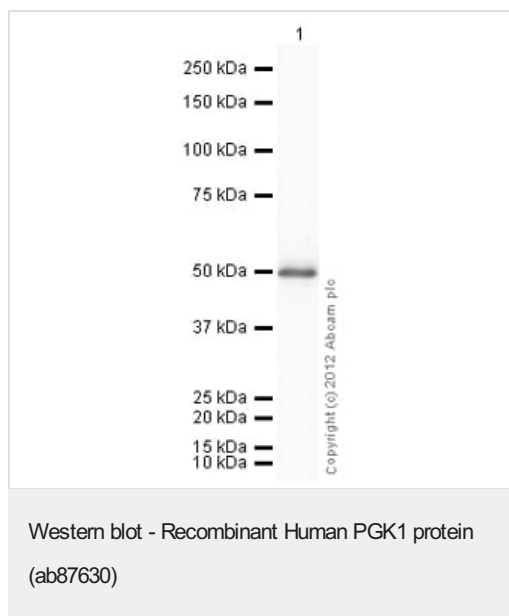
Cytoplasm.

Images



ab87630 on 15% SDS-PAGE (3µg)

SDS-PAGE - Recombinant Human PGK1 protein
(ab87630)



Anti-PGK1 antibody (**ab90787**) at 1 µg/ml + Recombinant Human PGK1 protein (ab87630) at 0.1 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 30 seconds

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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