

Datasheet for ABIN7548752
PKLR Protein (AA 1-574) (His tag)



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Overview

Quantity:	1 mg
Target:	PKLR
Protein Characteristics:	AA 1-574
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PKLR protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PKLR Protein expressed in mammalian cells.
Sequence:	<p>MSIQENISSL QLRSWVSKSQ RDLAKSILIG APGGPAGYLR RASVAQLTQE LGTAFFQQQQ</p> <p>LPAAMADTFL EHLCLLDIDS EPVAARSTSI IATIGPASRS VERLKEMIKA GMNIARLNFS</p> <p>HGSHEYHAES IANVREAVES FAGSPLSYRP VAIALDTKGP EIRTGILQGG PESEVELVKG</p> <p>SQVLVTVDPA FRTRGNANTV WVDYPNIVRV VPVGGRIYID DGLISLVVQK IGPEGLVTQV</p> <p>ENGGVLGSRK GVNLPQAQVD LPGLSEQDVR DLRFGVEHGV DIVFASFVRK ASDVAAVRAA</p> <p>LGPEGHGIKI ISKIENHEGV KRFDEILEVS DGIMVARGDL GIEIPAEEKVF LAQKMMIGRC</p> <p>NLAGKPVVCA TQMLESMTK PRPTRAETSD VANAVLDGAD CIMLSGETAK GNFPVEAVKM</p> <p>QHAIAREAEA AVYHRQLFEE LRRAAPLSRD PTEVTAIGAV EAAFKCCAAA IIVLTGTRS</p> <p>AQLLSRYRPR AAVIAVTRSA QAARQVHLCR GVFPLLYREP PEAIWADDVD RRVQFGIESG</p> <p>KLRGFLRVGD LVIIVTGW RP GSGYTNIMRV LSI</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity</p>

of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	PKLR
Alternative Name:	PKLR (PKLR Products)
Background:	Pyruvate kinase PKLR (EC 2.7.1.40) (Pyruvate kinase 1) (Pyruvate kinase isozymes L/R) (R-type/L-type pyruvate kinase) (Red cell/liver pyruvate kinase),FUNCTION: Pyruvate kinase that catalyzes the conversion of phosphoenolpyruvate to pyruvate with the synthesis of ATP, and which plays a key role in glycolysis. {ECO:0000269 PubMed:11960989}.
Molecular Weight:	61.8 kDa
UniProt:	P30613
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months