OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AR51930PU-S

PRPS2 (1-321, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	PRPS2 (1-321, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMPNIVLF SGSSHQDLSQ RVADRLGLEL GKVVTKKFSN QETSVEIGES VRGEDVYIIQ SGCGEINDNL MELLIMINAC KIASSSRVTA VIPCFPYARQ DKKDKVGESR APISAKLVAN MLSVAGADHI ITMDLHASQI QGFFDIPVDN LYAEPAVLQW IRENIAEWKN CIIVSPDAGG AKRVTSIADR LNVEFALIHK ERKKANEVDR MVLVGDVKDR VAILVDDMAD TCGTICHAAD KLLSAGATKV YAILTHGIFS GPAISRINNA AFEAVVVTNT IPQEDKMKHC TKIQVIDISM ILAEAIRRTH NGESVSYLFS HVPL
Tag:	His-tag
Predicted MW:	37.4 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate buffered saline (pH 7.4) containing 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PRPS2, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001034180
Locus ID:	5634
UniProt ID:	P11908, A0A140VK41
Cytogenetics:	Xp22.2
Synonyms:	PRSII

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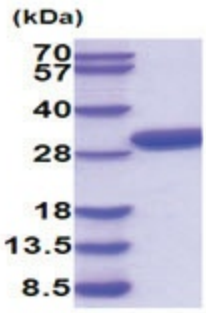
Summary: This gene encodes a phosphoribosyl pyrophosphate synthetase that plays a central role in the synthesis of purines and pyrimidines. The encoded protein catalyzes the synthesis of 5-phosphoribosyl 1-pyrophosphate from ATP and D-ribose 5-phosphate. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Pentose phosphate pathway, Purine metabolism

Product images:



15% SDS-PAGE (3ug)