

Recombinant Human PRPS2 protein, T7/His-tagged

Cat. No. PRPS2-189H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PRPS2 (317aa, Isoform-2, derived from BC110875) fused with T7-His-TEV cleavage site Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	319 a.a.
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, Sucrose and DTT.
AA Sequence	MASMTGGQQMGRGRGHHHHHGNLYFQQGGEFPNIVLFSGSSHQDLSQRVADRLGLE LGKVVTKKFSNQETSVEIGES VRGEDVYIIQSGCGEINDNLMELLIMINACKIASSSRV TAVIPCFPYARQDKKDKSRAPISAKLVANMLSVAGAD HIITMDLHASQIQGFFDIPVD NLYAEPAVLQWIRENIAEWKNCIIVSPDAGGAKRVTSIADRLNVEFALIHKERK KANE VDRMVLVGDVKDRVAILVDDMADTCGTICHAADKLLSAGATKVYAILTHGIFSGPAIS RINNAAFEAVVVT NTIPQEDKMKHCTKIQVIDISMILAEAIRRTHNGESVSYLFSHVPL
Purity	>90% by SDS-PAGE
Storage	Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

GENE INFORMATION

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Gene Name	PRPS2 phosphoribosyl pyrophosphate synthetase 2 [Homo sapiens]
Official Symbol	PRPS2
Synonyms	PRPS2; phosphoribosyl pyrophosphate synthetase 2; ribose-phosphate pyrophosphokinase 2; PRS II; ribose phosphate diphosphokinase 2; PRS-II; PPRibP synthetase; ribose-phosphate diphosphokinase 2; phosphoribosyl pyrophosphate synthase II; PRSII;
Gene ID	5634
mRNA Refseq	NM_001039091
Protein Refseq	NP_001034180
MIM	311860
UniProt ID	P11908
Chromosome Location	Xpter-q21
Pathway	5-Phosphoribose 1-diphosphate biosynthesis, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of carbohydrates, organism-specific biosystem; Nucleotide Metabolism, organism-specific biosystem; PRPP biosynthesis I, organism-specific biosystem; PRPP biosynthesis, ribose 5P =>
Function	ATP binding; kinase activity; magnesium ion binding; nucleotide binding; protein homodimerization activity; ribose phosphate diphosphokinase activity; transferase activity;

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