

## Product datasheet for **AR09037PU-N**

### Hexokinase-3 (1-923, His-tag) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Hexokinase-3 (1-923, His-tag) human recombinant protein, 0.1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MDSIGSSGLR QGEETLSCSE EGLPGPSDSS ELVQECLQQF KVTRAQLQQI QASLLGSMEQ ALRGQASPAP AVRMLPTYVG STPHGTEQGD FVLELGATG ASLRVLWVTL TGIEGHRVEP RSQEFVIPQE VMLGAGQQLF DFAAHCLSEF LDAQPVNKQG LQLGFSFSFP CHQTGLDRST LISWTKGFRC SGVEGQDVVQ LLRDAIRRQG AYNIDWAVV NDTVGTMMGC EPGVRPCEVG LVVDTGTNAC YMEEARHVAV LDEDGRVCV SVEWGSFSDD GALGPVLTTF DHTLDHESLN PGAQRFEKMI GGLYLGEVLR LVLHLARCG VLFGGCTSPA LLSQGSILLE HVAEMEDPST GAARVHAILQ DLGLSPGASD VELVQHVCAA VCTRAAQLCA AALAAVLSCL QHSREQQTLQ VAVATGGRVC ERHPRFCSVL QGTVMLLAPE CDVSLIPSVD GGGRGVAMVT AVAARLAAHR RLLEETLAPF RLNHDQLAAV QAQMRKAMAK GLRGEASSLR MLPTFVRATP DGSERGDFLA LDLGGTNFRV LLVRVTTGVQ ITSEIYSIPE TVAQSGSQQL FDHIVDCIVD FQQKQGLSGQ SLPLGFTFSF PCRQLGLDQG ILLNWTKGFK ASDCEGQDVV SLLREAITRR QAVELNVAI VNDTVGTMMS CGYEDPRCEI GLIVGTGTNA CYMEELRNVA GVPGDSDGRMC INMEWGAFGD DGLSAMLSTR FDASVDQASI NPGKQRFKMI ISGMYLGEIV RHILLHLTSL GVLFRGQQIQ RLQTRDIFKT KFLSEIESDS LALRQVRAIL EDLGLPLTSD DALMVLEVCQ AVSQRAAQLC GAGVAAVVEK IRENRGLEEL AVSVGVDGTL YKLHPRFSSL VAATVRELAP RCVVTFQLQE DGSGKGAALV TAVACRLAQL TRV
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	101.1 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% (by SDS PAGE)
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl pH 8.0, 10% glycerol
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human Hexokinase 3, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.



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<b>Storage:</b>	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_002106</a>
<b>Locus ID:</b>	3101
<b>UniProt ID:</b>	<a href="#">P52790</a> , <a href="#">A0A024R7R1</a>
<b>Cytogenetics:</b>	5q35.2
<b>Synonyms:</b>	HKIII; HXK3
<b>Summary:</b>	Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes hexokinase 3. Similar to hexokinases 1 and 2, this allosteric enzyme is inhibited by its product glucose-6-phosphate. [provided by RefSeq, Apr 2009]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Amino sugar and nucleotide sugar metabolism, Fructose and mannose metabolism, Galactose metabolism, Glycolysis / Gluconeogenesis, Insulin signaling pathway, Metabolic pathways, Starch and sucrose metabolism, Type II diabetes mellitus

### Product images:

