

Product datasheet for PH318774

Phosphoglucomutase 5 (PGM5) (NM_021965) Human Mass Spec Standard

Product data:

| | |
|---------------------------------------|----------------------------------------------------------------------|
| Product Type: | Mass Spec Standards |
| Description: | PGM5 MS Standard C13 and N15-labeled recombinant protein (NP_068800) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC218774 |
| Predicted MW: | 62 kDa |
| Protein Sequence: | >RC218774 representing NM_021965 Red=Cloning site Green=Tags(s) |

MEGSPIPVLTVPYEDQRPAAGGGLRRPTGLFEGQRNYLPNFIQSVLSSIDLDRDQGCTMVVGS DGRY
FSRTAIEIVVQMAANGIGRLIIGQNGILSTPAVSCIIRKIKAAAGGIILTASHCPGGPGGEFGVKFNVAN
GGPAPDVVSDKIYQISKIIEEYAI CPDLRIDLSRLGRQEFDLNKFKPF RVEIVDPVDIYLNLLRTIFDF
HAIKGLLTGPSQLKIRIDAMHGVMGPYVRKVLCELGAPANSA INCVPLEDFGGQHPDPLNTYATTLLEA
MKGGEYGFGAADFADGDYMI LGQNGFFVSPSDSLAIIAANL SCIPYFRQMGVRFGRSMPTSMALDRVA
KSMKVPVYETPAGWRFFSNLMDSGRCNL CGEESFGTGS DHLREK DGLWAVL VWLSIIAARKQSV E EIVRD
HWAKFGRHYCRYFDYEGLDPKTTYIMRDLEALVTDKSF IGQQF AVGSHVYSVAKTDSFEYVDPVDGTVT
KKQGLRIIFSDASRLIFRLSSSSGVRATLRLYAESYERDP SGHDQEPQAVLSPLIAIALKISQIHERTGR
RGPTVIT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | NP_068800 |
| RefSeq Size: | 3341 |
| RefSeq ORF: | 1701 |



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Synonyms: PGMRP

Locus ID: 5239

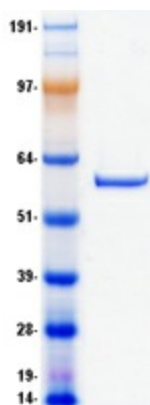
UniProt ID: [Q15124](#)

Cytogenetics: 9q21.11

Summary: Phosphoglucomutases (EC 5.2.2.2.), such as PGM5, are phosphotransferases involved in interconversion of glucose-1-phosphate and glucose-6-phosphate. PGM activity is essential in formation of carbohydrates from glucose-6-phosphate and in formation of glucose-6-phosphate from galactose and glycogen (Edwards et al., 1995 [PubMed 8586438]).[supplied by OMIM, Mar 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified PGM5 protein (Cat# [TP318774]). The protein was produced from HEK293T cells transfected with PGM5 cDNA clone (Cat# [RC218774]) using MegaTran 2.0 (Cat# [TT210002]).