

Recombinant Human PGM5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PGM5-3088H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PGM5 MS Standard C13 and N15-labeled recombinant protein (NP_068800) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	62 kDa
AA Sequence	MEGSPIPVLTVPYEDQRPAGGGGLRRPTGLFEGQRNYLPNFIQSVLSSIDLDR QGCTMVVGSDGRYFSRTAIEIVVQMAAANGIGRLIIGQNGILSTPAVSCIIRKIKAAAGGI ILTASHCPGGPGGEFGVKFNVANGGPAPDVVSDKIYQISKTIIEYAICPDLRIDLSRLG RQEFDLLENKFKPFRVEIVDPVDIYLNLLRTIFDFHAIKGLLTGPSQLKIRIDAMHGVMG PYVRKVLCDLGAPANSAINCVPLEDFGGQHPDPNLTYATTLLLEAMKGGEYGFCAA FDADGDRYMILGQNGFFVSPSDSLAIIAANLSCIPYFRQMGVRGFGGRSMPTSMALDR VAKSMKVPVYETPAGWRFFSNLMDSGRCNLCGEESFGTGSDDLREKDGLWAVLV WLSIIAARKQSVEEIVRDHWAKFGRHYCRYFDYEGLDPKTTYIIMRDLEALVTDKSF GQQFAVGSHVYSVAKTDSFEYVDPVDGTVTKKQGLRIIFSDASRLIFRLSSSSGVRA

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TLRLYAESYERDPSGHDQEPQAVLSPLIAIALKISQIHERTGRRGPTVITTRTRPLEQK
LISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PGM5 phosphoglucomutase 5 [Homo sapiens (human)]

Official Symbol PGM5

Synonyms PGM5; phosphoglucomutase 5; phosphoglucomutase-like protein 5; PGMRP; phosphoglucomutase related protein; PGM-RP; aciculin; phosphoglucomutase-related protein;

Gene ID 5239

mRNA Refseq NM_021965

Protein Refseq NP_068800

MIM 600981

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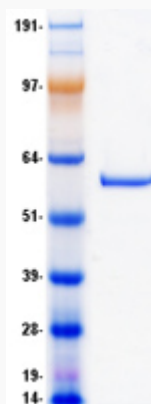
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UniProt ID

Q15124

SDS-PAGE



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