

Product datasheet for **RC213480**

PGAM4 (NM_001029891) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | PGAM4 (NM_001029891) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | PGAM4 |
| Synonyms: | dj1000K24.1; PGAM-B; PGAM1; PGAM3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC213480 representing NM_001029891 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCGCTACAACTGGTGCTGATCCGGCACGGCGAGAGCACATGGAACCTGGAGAACCGTTTCAGCT
GCTGGTACGACGCCGATCTGAGCCCGCGGGCCACGAGGAGGCGAAGCGCGGGCAGGCGCTACGAGA
TGCTGGCTATGAGTTTGACATCTGCCTCACCTCAGTGCAGAAGAGAGTGATCCGGACCTCTGGACAGTG
CTAGATGCCATTGATCAGATGTGGCTGCCAGTGGTGAGGACTTGGCGCTCAATGAGCGGCACTATGGG
GTCTAACCGGTCTCAATAAAGCAGAACTGCTGCAAAGCATGGTGAGGCCAGGTGAAGATCTGGAGGCG
CTCCTATGATGTCCACCACTCCGATGGAGCCCGACCATCCTTTCTACAGCAACATCAGTAAGGATCGC
AGGTATGCAGACCTCACAGAAGATCAGTACCCTCCTATGAGAGTCCGAAGGATACTATTGCCAGAGCTC
TGCCCTTCTGGAATGAAGAAATAGTTCCCCAGATCAAGGAGGGGAAACGTGACTGATTGCAGCCCATGG
CAACAGCTCCAGGGCATTGCCAAGCATGTGGAGGGTCTCTCTGAAGAGGCTATCATGGAGCTGAACCTG
CCGACTGGTATCCCATCGTCTATGAATTGGACAAGAAGTTGAAGCCTATCAAGCCCATGCAGTTTCTGG
GGGATGAAGAGACGGTGTCAAAGCCATAGAAGCTGTGGCTGCCAGGGCAAGGCCAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001029891.3](#)

RefSeq Size: 1678 bp

RefSeq ORF: 765 bp

Locus ID: 441531

UniProt ID: [Q8N0Y7](#)

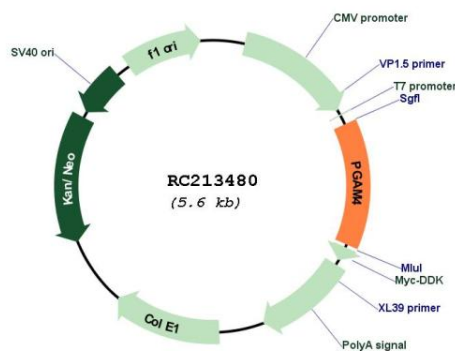
Cytogenetics: Xq21.1

Protein Pathways: Glycolysis / Gluconeogenesis, Metabolic pathways

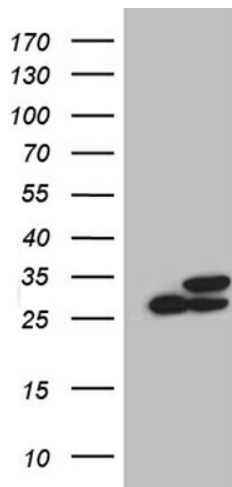
MW: 28.6 kDa

Gene Summary: This intronless gene appears to have arisen from a retrotransposition event, yet it is thought to be an expressed, protein-coding gene. The encoded protein is a member of the phosphoglycerate mutase family, a set of enzymes that catalyze the transfer of a phosphate group from 3-phosphoglycerate to 2-phosphoglycerate. [provided by RefSeq, May 2010]

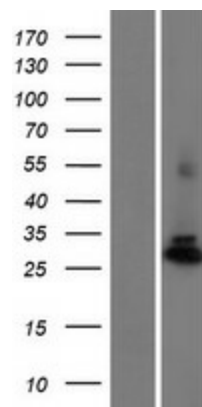
Product images:



Circular map for RC213480



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PGAM4 (Cat# RC213480, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PGAM4 (Cat# [TA810871])(1:2000). Positive lysates [LY422267] (100ug) and [LC422267] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY422267]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213480 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).