

ARG82150 Creatine Kinase Activity Assay Kit (Colorimetric)

Package: 100 tests
Store at: -20°C

Summary

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|---------------------|---|
| Product Description | ARG82150 Creatine Kinase Activity Assay Kit (Colorimetric) can be used to measure Creatine Kinase activity in serum and plasma. |
| Tested Reactivity | Hu, Ms, Rat, All |
| Tested Application | FuncSt |
| Target Name | Creatine Kinase |
| Conjugation Note | Read at 340 nm |
| Sensitivity | 5 U/L |
| Detection Range | 5 - 300 U/L |
| Sample Type | serum and plasma |
| Sample Volume | 10 µl |
| Alternate Names | CKMM; M-CK; Creatine kinase M chain; EC 2.7.3.2; Creatine kinase M-type |

Application Instructions

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| Application Note | Please note that this kit does not include a microplate. |
| Assay Time | 5 min |

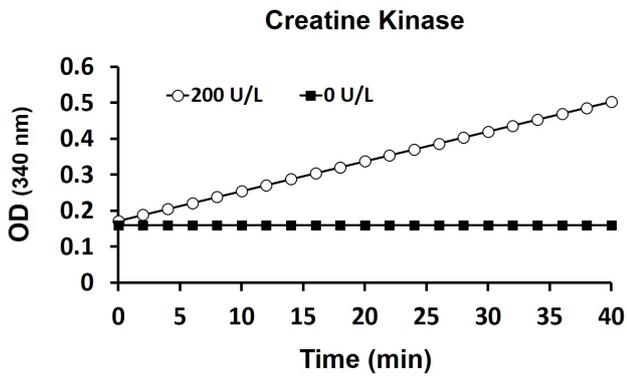
Properties

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|---------------------|---|
| Form | Liquid |
| Storage instruction | Store the kit at -20°C. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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|----------------|--|
| Gene Symbol | CKM |
| Gene Full Name | creatine kinase, muscle |
| Background | The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in striated muscle as well as in other tissues, and as a heterodimer with a similar brain isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. [provided by RefSeq, Jul 2008] |
| Function | Reversibly catalyzes the transfer of phosphate between ATP and various phosphogens (e.g. creatine phosphate). Creatine kinase isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa. [UniProt] |

Images



ARG82150 Creatine Kinase Activity Assay Kit (Colorimetric) enzyme kinetics graph

Kinetics of 0 and 200 U/L Creatine Kinase reaction, using ARG82150 Creatine Kinase Activity Assay Kit (Colorimetric).