

# **Product datasheet for TA502152M**

### OriGene Technologies, Inc.

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## **GCKR Mouse Monoclonal Antibody [Clone ID: OTI1E7]**

#### **Product data:**

**Product Type:** Primary Antibodies

Clone Name: OTI1E7
Applications: IF, WB

**Reactivity:** WB 1:2000, IF 1:100 **Reactivity:** Human, Mouse, Rat

Host: Mouse Isotype: IgG1

Clonality: Monoclonal

Immunogen: Full length human recombinant protein of human GCKR (NP\_001417) produced in HEK293T

cell

**Formulation:** PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Concentration: 1 mg/ml

**Purification:** Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography

(protein A/G)

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

**Predicted Protein Size:** 68.5 kDa

**Gene Name:** glucokinase regulator

Database Link: NP 001477

Entrez Gene 25658 RatEntrez Gene 231103 MouseEntrez Gene 2646 Human

Q14397

**Background:** This gene encodes a protein belonging to the GCKR subfamily of the SIS (Sugar ISomerase)

family of proteins. The gene product is a regulatory protein that inhibits glucokinase in liver and pancreatic islet cells by binding non-covalently to form an inactive complex with the enzyme. This gene is considered a susceptibility gene candidate for a form of maturity-onset

diabetes of the young (MODY). [provided by RefSeq]





Synonyms: FGQTL5; GKRP

## **Product images:**

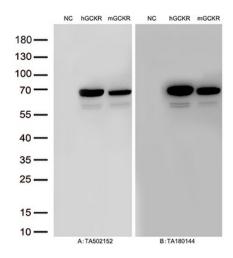
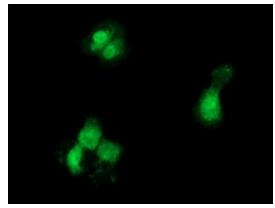


Figure A, Western blot analysis of overexpressed lysates (25ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC), human GCKR plasmid ([RC214230], hGCKR), mouse GCKR plasmid ([MR209160], mGCKR) using anti-GCKR antibody [TA502152] (1:5000@1mg/ml). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:5000@1mg/ml).



Anti-GCKR mouse monoclonal antibody ([TA502152]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY GCKR ([RC214230]).