

# Recombinant Human GTPase KRas/KRAS (GDP load) Protein

Catalog No.: RP02972LQ Recombinant

## **Sequence Information**

Species Gene ID Swiss Prot Human 3845 P01116-2

# Tags

N-8His

### **Synonyms**

NS; NS3; OES; CFC2; RALD; K-Ras; KRAS1; KRAS2; RASK2; KI-RAS; C-K-RAS; K-RAS2A; K-RAS2B; K-RAS4A; K-RAS4B; K-Ras 2; 'C-K-RAS; c-Ki-ras; c-Ki-ras2

## **Product Information**

Source	Purification
F coli	> 95 % as

determined by SDS-

PAGE.

#### Calculated MW Observed MW

23.5 kDa 24-25 kDa

#### Endotoxin

Please contact us for more information.

#### **Formulation**

Supplied as a 0.22 μm filtered solution in 5 mM Tris, 50 mM NaCl, 1 mM MgCl2, 1 mM DTT, 10% glycerol, pH 7.5

## Reconstitution

#### **Contact**

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# **Background**

## **Basic Information**

#### **Description**

Recombinant Human GTPase KRas/KRAS (GDP load) Protein is produced by *E. coli* expression system. The target protein is expressed with sequence of Human GTPase KRas/KRAS (GDP load) (Accession #)fused with N-terminal 8x his tag+ TEV cleavage site and C-terminal avi tag.

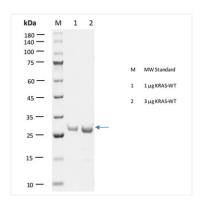
### **Bio-Activity**

KRAS-WT activity test using HTRF method.

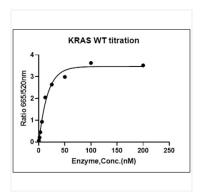
#### Storage

Store at -70°C. This product is stable at  $\leq$  -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

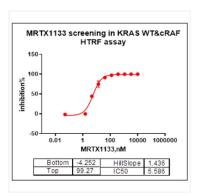
## **Validation Data**



Recombinant Human GTPase KRas/KRAS (GDP load) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



KRAS-WT activity test using HTRF method. The KRAS-WT activity was assayed with HTRF technology. The reaction was performed by incubating the KRAS- WT protein, GTP, cRAF and beads at 25°C for 60 min, then reading Ratio 665/620nm signal with BMG.



KRAS-WT activity test using HTRF method. The KRAS-WT activity was assayed with HTRF technology. The reaction was performed by incubating the KRAS-WT protein, GTP, cRAF and beads at 25°C for 60 min, then reading Ratio 665/620nm signal with BMG.