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- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Data Sheet

### KRAS (G12V), His-Tag

Human, Recombinant, N-terminal His-tag  
**Catalog #:** 100480  
**Lot #:** 150714-1      **Conc.:** 0.31 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween20, 20% glycerol, 3 mM DTT, 120 mM Imidazole

**Stability:** At least 6 months at -70°C. Avoid freeze/thaw cycles.

**References:**

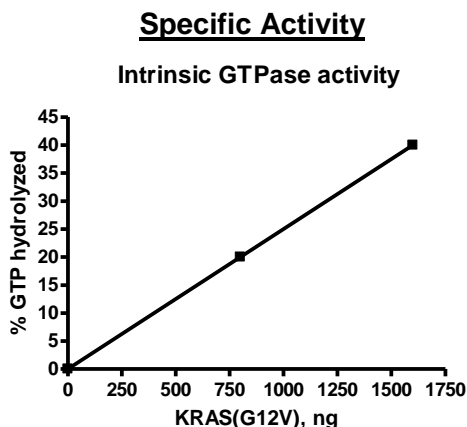
1. Martinelli, P., *et al.*, *Gut*. 2016;**65**:476-486.
2. Maraver, A., *et al.*, *Cancer Cell*. 2012 Aug;**22**(2):222-234.

**Description:** Human KRAS also known as C-K-RAS, CFC2, and K-RAS2A, GenBank Accession No. NM\_033360, a.a. 2-185, with G12V mutation and N-terminal His-tag, and expressed in a Baculovirus infected Sf9 cell expression system. MW=22 kDa.

**Assay Conditions:** Intrinsic GTPase reaction of KRAS (G12V) was conducted at room temperature for 60 min using GTPase-Glo (Promega) reagents with 1 μM GTP.

**Applications:** Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

### Quality Assurance



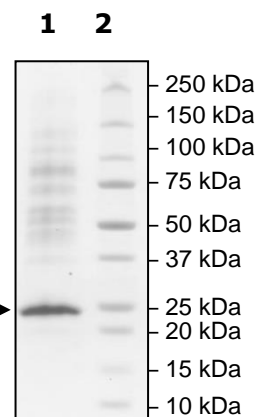
**6-20% SDS-PAGE  
 Coomassie staining**

**Lane 1:**  
 KRas(G12V)  
 (3 ug loaded)

**Lane 2:**  
 Protein Marker

**Purity:** ≥53% →

**MW:** 22 kDa



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