



# SZABO SCANDIC

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- Gefahrgutzuschlag
- Expressversand

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## Data Sheet

### A-RAF1

Human, recombinant, N-terminal GST tag and C-terminal His tag

**Catalog #:** 40010

**Lot#:** 130118-G

**Conc.:** 0.46 mg/ml

**Formulated in:** 40 mM Tris-HCl pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween-20, 20% glycerol and 3 mM DTT.

**Stability:** >6 months at -80 °C

**References:**

1. Yokoyama, T. *et al J. Cell Biol.* **177** (5), 781-793. (2007)
2. Ewing, R.M. *et al. Mol. Syst. Biol.* **3**, 89 (2007)

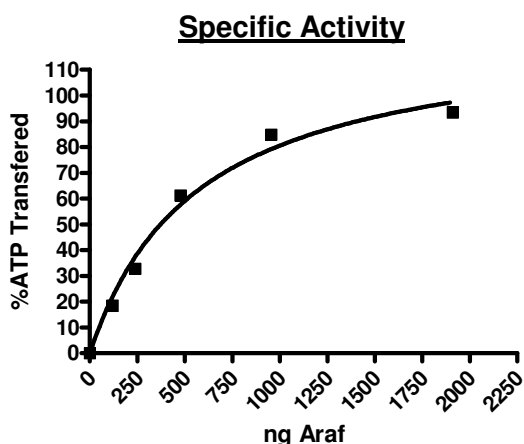
**Description:** Human v-raf murine sarcoma 3611 viral oncogene homolog, transcript variant 1 (A-RAF1), (GenBank Accession No. NM\_001654), amino acids 282-606 (end), containing mutations YY301-302DD, with N-terminal GST tag and C-terminal His tag, MW=63 kDa, expressed in an Baculovirus infected Sf9 cell expression system.

**Specific Activity:** 40 pmol/min/μg.

**Assay conditions:** Reaction was done in a kinase buffer (40 mM Tris, 10 mM MgCl<sub>2</sub>) containing 5 μg inactive MEK1 (BPS #40075), 1 μM ATP, and 4 – 8 ng/μl aRAF for 30 min at 30°C. The amount of ATP transferred was measured using a Kinase-Glo® Plus Assay Kit (Promega Corporation, Madison, WI).

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

## Quality Assurance

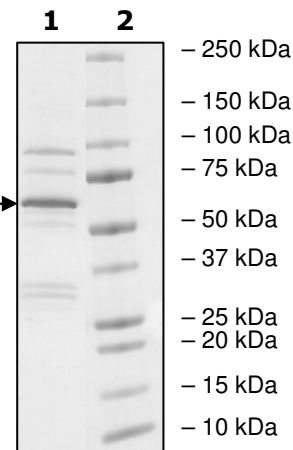


**10% SDS-PAGE**  
**Coomassie staining**

**Lane 1:**  
2 μg A-RAF1

**Lane 2:**  
Protein Marker

**MW:** 63 kDa  
**Purity:** ≥62%



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**Sequence:**

MSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYI  
DGDVKLTQSMIIRYIADKHNMLGGCPKERAIEISMLEGAVLDIRYGVSRAYSKDFETLK  
VDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLV  
CFKKRIEAIQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDPKSLADDKKKVKNLG  
YRDSG**DD**WEVPPSEVQLLKRIGTGSFGTVFRGRWHGDVAVKVLKVSQPTAEQAQAF  
KNEMQVLRKTRHVNILLFMGMTRPGFAITQWCEGSSLYHHLHVADTRFDMVQLIDV  
ARQTAQGMDYLHAKNIIHRDLKSNIFLHEGLTVKIGDFGLATVKTRWSGAQPLEQPS  
GSVLWMAAEVIRMQDPNPYSFQSDVYAYGVVLYELMTGSLPYSHIGCRDQIIFMVGR  
GYLSPDLSKISSNCPKAMRRLSDCLKFQREERPLFPQILATIELLQRSLPKIERSASE  
PSLHRTQADELPACLLSAARLVP**HHHHHH**

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