

## Certificate of Analysis

### 1. Product Information

<b>Description</b>	<b>KeyTec® ARAF[Y301D/Y302D], N-GST</b>		
<b>CAT.</b>	P1HI0103S/P1HI0103L	<b>Size</b>	10 µg/100 µg
<b>LOT.</b>	ABW01SA	<b>Storage at</b>	-80 °C
<b>Validity Period</b>	Up to 1 year from date of receipt, when stored and handled as recommended. And avoid repeated freeze-thaw cycles.		

### 2. Product Description

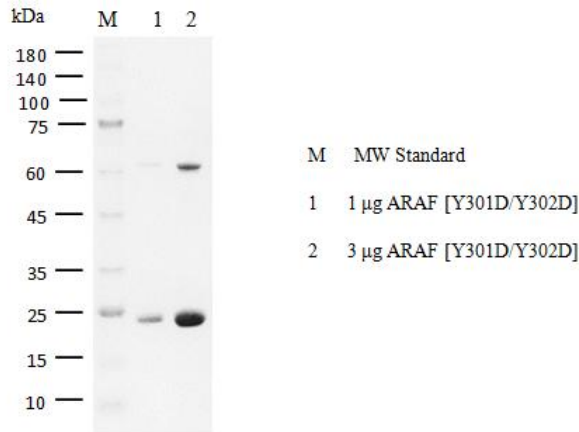
**KeyTec® ARAF[Y301D/Y302D], N-GST** recombinant protein with N-terminal GST tag was purified by GST affinity chromatography. The ARAF[Y301D/Y302D] recombinant protein showed high activity in ADP-Glo assay.

### 3. Physical Characteristics

<b>AA Sequences</b>	Uniprot: P10398-1; K282-P606(end), Y301D/Y302D
<b>Tag</b>	N-terminal GST tag
<b>Molecular Weight</b>	63.3 kDa
<b>Species</b>	Human
<b>Expression Host</b>	<i>Sf9</i>
<b>Protein Concentration</b>	0.55 mg/mL by OD280
<b>Purity</b>	>40% by SDS-PAGE
<b>Form</b>	Liquid
<b>Formulation</b>	20 mM HEPES, 150 mM NaCl, 1 mM DTT, 10% glycerol, pH7.5

## 4. Quality Control

### A: SDS-PAGE



### B: ARAF[Y301D/Y302D] titration

The ARAF[Y301D/Y302D] activity was detected using ADP-Glo technology. The reaction was performed by incubating the ARAF[Y301D/Y302D] protein, ATP and substrate at 25 °C for 60 min, then reading RLU by Microplate Reader with Luminescence.

