



# Certificate of Analysis

## KRAS Protein, Human (G12S, His)

|                   |                           |
|-------------------|---------------------------|
| Cat. No.:         | HY-P70153                 |
| Batch No.:        | 428899                    |
| Species:          | Human                     |
| Source:           | <i>E. coli</i>            |
| Tag:              | N-6*His                   |
| Accession:        | AAH13572.1 (T2-C185,G12S) |
| Gene ID:          | 3845                      |
| Molecular Weight: | Approximately 25-30 kDa.  |

### ANALYTICAL DATA

| TEST                | Specifications  | Results            |
|---------------------|---|--------------------|
| Purity              | Greater than 95% as determined by reducing SDS-PAGE.  | 98.00%             |
| Endotoxin Level     | <1 EU/μg, determined by LAL method.   | PASS               |
| Biological Activity | 1. Biological activity has been tested <i>in vitro</i> . 2. Measured by its ability to catalyze 2m substrate GTP. which can be measured by absorbance at 620 nm that incubate at room temperature for 10 minutes. The specific activity is 716.25 nmo/min/mg. | 716.25 nmol/min/mg |
| Appearance          | Lyophilized powder  |                    |
| Reconstitution      | It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O.   |                    |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.  |                    |
| Shipping            | Room temperature in continental US; may vary elsewhere.   |                    |

**Caution: Product has not been fully validated for medical applications. For research use only.**

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