KRAS (G12D), Isoform A, His-Tag, GDP-Loaded

Catalog: 101312

Lot: 211203

Product Information

Description: KRAS (G12D) His-Tag (BPS Bioscience #100623), is loaded with GDP. Unbound GDP was

removed by spin column. Ready for use in the GDP/GTP exchange assay or as a

negative control for KRAS-RAF interaction.

Construct: KRAS (G12D) (His-TEV-2-186)-(GDP)

Mutation:G12DConcentration:0.82 mg/mlSpecies:Human

Formulated In: 20 mM HEPES, pH 7.4, 150 mM NaCl, 1 mM DTT

Expression System: E. coli

Format: Aqueous buffer solution

Stability: At least 6 months at -80°C. Avoid freeze/thaw cycles.

Storage: -80°C

Genbank Accession: NM_033360 MW: 23 kDa Purity: ≥90%

Assay Conditions: Assay was performed according to the KRAS (G12C) Coupled Nucleotide Exchange

Assay Kit (BPS Bioscience #78004) with GDP loaded KRAS (G12C) (BPS Bioscience #100640) and GDP loaded KRAS (G12D) (BPS Bioscience #101312) titrated from 200 nM to 0 nM. Enzyme was incubated with SOS1; positive results show that SOS1

mediated exchange and subsequent RAS-Raf binding is successful.

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

Quality Control Data



