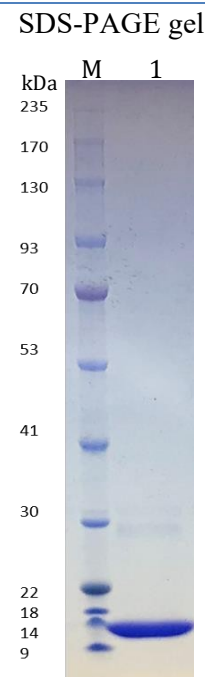
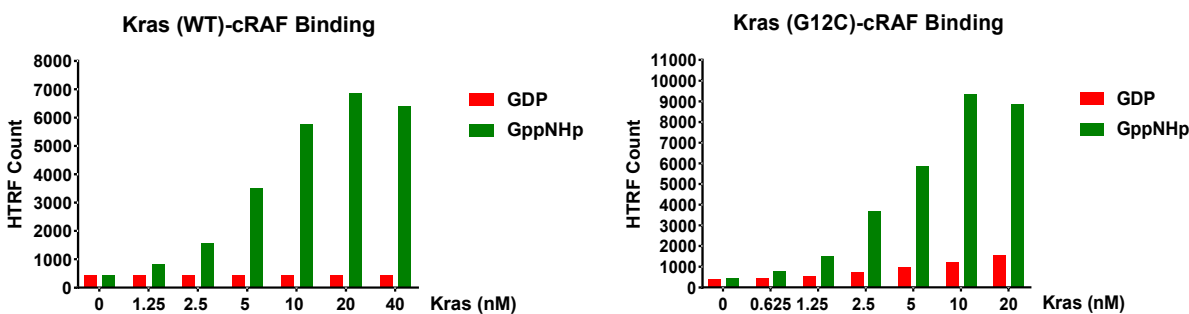


Product Name	Recombinant Human Ras Binding Domain (RBD)-RAF1	 <p>SDS-PAGE gel</p> <p>kDa M 1</p> <p>235</p> <p>170</p> <p>130</p> <p>93</p> <p>70</p> <p>53</p> <p>41</p> <p>30</p> <p>22</p> <p>18</p> <p>14</p> <p>9</p> <p>M – MW Marker 1 – RBD-RAF1</p>
Synonym(s)	C-RAF (cRAF), NS5, Ras RBD of RAF1 proto-oncogene	
Quantity	100 µg	
GenBank #	NM_002880	
UniProt #	P04049, a. a. 50-140	
Species	Human	
Molecular weight	14.44 kDa	
Purity	>95% by SDS-PAGE	
Tag	N-terminal His tag, C terminal FLAG tag	
Expression Source	E. coli	
Application	Inhibitor Screening, binding assays, enzyme kinetics, and selectivity profiling.	
Formulation	20 mM HEPES pH 7.3, 150 mM NaCl, 1mM TCEP, 10% glycerol	
Storage and Stability	Stable for at least 6 months at -80°C. Avoid freeze/thaw cycles	
Description	Human Ras Binding Domain (RBD) of Raf-1 Proto-Oncogene, Serine/Threonin Kinase (RAF1), (UniProt # P04049, amino acids 50-140), expressed with an N-terminal 6XHis and C-terminal FLAG in E. coli. Specifically binds to and precipitates Ras-GTP from cell lysate. Can be bound to glutathione coated plates prior to precipitating Ras-GTP.	
Reference	Srisathiyarayanan Dharmiah1, et al. Scientific Reports, (2019) 9:10512 Bindu Lakshman, et al. J. Biol. Chem. (2019) 294(6) 2193–2207 Kari Kopra, et al. Anal. Chem. 2020, 92, 4971–4979	



The TR-FRET binding assays of Kras (WT), Kras (G12C) and cRAF was performed at 10 nM cRAF and indicated amount of GDP-loaded Kras and GppNHp-loaded Kras.

Related products:

<u>Product Name</u>	<u>Catalog #</u>	<u>Size</u>
Kras Wild Type (WT), GST-tag	5727-4121G	50 µg, 100 µg
Kras WT, GST-tag, GDP Loaded	5727-WTG-G	50 µg, 100 µg
Kras WT, GST-tag, GppNHp loaded	5727-WTG-GP	50 µg, 100 µg
Kras G12C, His -tag	5727-4122H	50 µg, 100 µg
Kras G12C, GST-tag	5727-4122G	50 µg, 100 µg
Kras G12C, GST-tag, GDP Loaded	5727-4122G -G	50 µg, 100 µg
Kras G12C, GST-tag, GppNHp loaded	5727-4122G -GP	50 µg, 100 µg
Kras G12D, GST-tag	5727-4123G	50 µg, 100 µg
Kras G12D, GST-tag, GDP Loaded	5727-4123G -G	50 µg, 100 µg
Kras G12D, GST-tag, GppNHp loaded	5727-4123G -GP	50 µg, 100 µg
Kras G12R, GST-tag,	5727-4127G	50 µg, 100 µg
Kras G12R, GST-tag, GDP Loaded	5727-4127G -G	50 µg, 100 µg
Kras G12R, GST-tag, GppNHp loaded	5727-4127G -GP	50 µg, 100 µg
Kras G12V, GST-tag,	5727-4128G	50 µg, 100 µg
Kras G12V, GST-tag, GDP Loaded	5727-4128G -G	50 µg, 100 µg
Kras G12V, GST-tag, GppNHp loaded	5727-4128G -GP	50 µg, 100 µg
Kras WT Nucleotide Exchange Assay Kit	5727-4121NK	384 reactions
Kras G12C Nucleotide Exchange Assay Kit	5727-4122NK	384 reactions
Kras G12D Nucleotide Exchange Assay Kit	5727-4123NK	384 reactions
Kras G12R Nucleotide Exchange Assay Kit	5727-4173NK	384 reactions
Kras G12V Nucleotide Exchange Assay Kit	5727-4128NK	384 reactions
Kras WT – cRAF Binding Assay Kit	5727-4121BK	384 reactions
Kras G12C – cRAF Binding Assay Kit	5727-4122BK	384 reactions
Kras G12D– cRAF Binding Assay Kit	5727-4123BK	384 reactions
Kras G12R– cRAF Binding Assay Kit	5727-4127BK	384 reactions
Kras G12V – cRAF Binding Assay Kit	5727-4128BK	384 reactions
Human RBD-RAF1, N-His tag, C-FLAG tag	7237231	50 µg, 100 µg
Human SOS1, No tag	7671	50 µg, 100 µg
Human SOS1, Avi-His tag	7671HA	50 µg, 100 µg

Products are for research use only and are not intended for human use. We do not sell to patients.