

<b>Product Name</b>	Recombinant Human SOS1 (His-Avi-tag)	<p>SDS-PAGE gel</p> <p>1 2 M kDa 235 170 130 93 70 53 41 30 22 18 14 9</p> <p>1, 2 – SOS1, His-Avi tag M – MW Marker</p>
<b>Synonym(s)</b>	GF1; HGF; NS4; GGF1; GINGF; SOS Ras/Rac guanine nucleotide exchange factor1	
<b>Quantity</b>	100 µg, 1 mg	
<b>Species</b>	Human	
<b>Tag</b>	N-terminal His-Avi-tagged	
<b>Molecular weight</b>	62.4 kDa	
<b>Purity</b>	>95% by SDS-PAGE	
<b>Expression Source</b>	E. coli	
<b>GenBank Accession</b>	NM_005633	
<b>UniPort#</b>	Q07889, a. a. 564-1049	
<b>Application</b>	Inhibitor Screening, binding activity, nucleotide exchange assays	
<b>Formulation</b>	25 mM Tris HCl pH 7.5, 50 mM NaCl, 1 mM DTT	
<b>Storage and Stability</b>	Stable for 12 months at -80°C, Avoid freeze/thaw cycles	
<b>Description</b>	<p>SOS1 is a guanine nucleotide exchange factor (GEF) for RAS proteins, which are membrane associated proteins involved in various signaling pathways. RAS proteins are activated by GEF-facilitated GDP exchange for GTP, and inactivated by GTP hydrolysis. RAS signaling is upregulated in many different cancers, thus making RAS activation via SOS1 interaction a promising target for cancer therapy.</p>	
<b>Reference</b>	<p>Hillig, R.C., et al., Proc Natl Acad Sci U S A. 2019;116(7):2551-2560. Hodges, T.R., et al., J Med Chem. 2018;61(19):8875-8894.</p>	

**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 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
TEV-His	190001-R	1,000 Units, 10,000 Units
Recombinant SUMO Protease (Ulp1)	190003	1,000 units, 10,000 units
PreScission Protease (HRV 3C)	190002-R	1,000 units, 10,000 units
Recombinant YopH	200100	10 ug, 20 ug, 100 ug, 1 mg
Recombinant Mouse Leukemia Inhibitory Factor	11-0001	10 ug, 100 ug
Recombinant Human LIF	12-0002	10 ug, 100 ug, 1 mg
Recombinant Human LIF, Animal-Free	12-0002AFR	10 ug, 100 ug, 1 mg
Recombinant Human FGF-basic, Carrier-free	12-0005CFR	50 ug, 100 ug, 500 ug, 1 mg
Recombinant Human BCL2	225201	100 ug

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

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