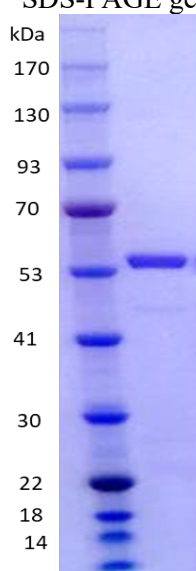
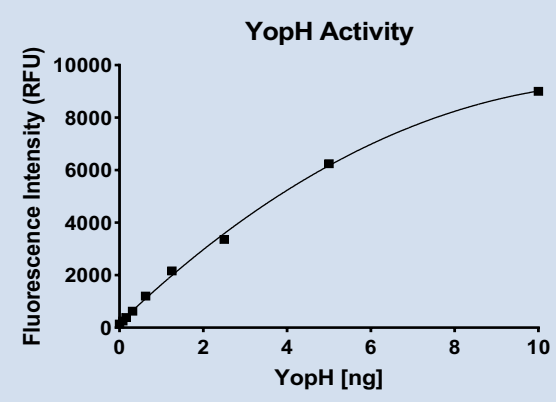


Product Name	Recombinant YopH (Catalytic domain, a.a. 163-468)	 <p>SDS-PAGE gel</p> <p>kDa</p> <p>170</p> <p>130</p> <p>93</p> <p>70</p> <p>53</p> <p>41</p> <p>30</p> <p>22</p> <p>18</p> <p>14</p> <p>1 2</p> <p>1 – MW Marker 2 – YopH</p>																
Synonym(s)	Yop51, Tyrosine-protein phosphatase																	
Quantity	10 µg, 20 µg, 100 µg, 1 mg																	
Concentration	1 mg/ml																	
Molecular weight	59 kDa																	
Purity	>95% by SDS-PAGE																	
Tag	N-terminal GST tag																	
Expression Source	E. coli																	
GenBank Accession #	P08538.3																	
Application	Remove phosphate group from phosphorylated proteins, Phosphatase assay, ELISA, WB, SDS-PAGE, Immunogen, etc																	
Formulation	50mM Tris-HCl, 200mM NaCl, 10% Glycerol, pH 8.0																	
Storage and Stability	Stable for 12 months at -80°C, Avoid freeze/thaw cycles																	
Description	<p>The PTP catalytic domain (a.a. 163 to a.a. 468) of <i>Yersinia enterocolitica</i> YopH is expressed in <i>E.coli</i>. The tyrosine-protein phosphatase YopH selectively hydrolyzes only phosphotyrosine-containing proteins and contains a Cys residue essential for catalysis.</p>																	
Assay Condition:	<p>The enzymatic reactions are performed at 10 µM DiFMUP, indicated amount of YopH enzyme in the assay buffer at room temperature for 30 minutes. The fluorescence intensity is measured at exc/em 360 nm/460 nm.</p>																	
	 <p>YopH Activity</p> <p>Fluorescence Intensity (RFU)</p> <p>YopH [ng]</p> <table border="1"> <caption>Approximate data points from YopH Activity graph</caption> <thead> <tr> <th>YopH [ng]</th> <th>Fluorescence Intensity (RFU)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>0.5</td><td>500</td></tr> <tr><td>1</td><td>1000</td></tr> <tr><td>2</td><td>2000</td></tr> <tr><td>3</td><td>3000</td></tr> <tr><td>5</td><td>6000</td></tr> <tr><td>10</td><td>9000</td></tr> </tbody> </table>		YopH [ng]	Fluorescence Intensity (RFU)	0	0	0.5	500	1	1000	2	2000	3	3000	5	6000	10	9000
YopH [ng]	Fluorescence Intensity (RFU)																	
0	0																	
0.5	500																	
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2	2000																	
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5	6000																	
10	9000																	
Reference	Zhang, Z.Y., et al., The Journal of Biological Chemistry, Vol. 267, No.33, 23759-23766 (1992).																	

Related products:

Product Name	Catalog #	Size
TEV Protease	190001	1,000 Units, 10,000 Units
TEV Protease- His-tag	190001-R	50 ug, 200 ug, 1 mg
PreScission Protease (HRV 3C)	190002	1,000 units, 10,000 units
Recombinant SUMO Protease (Ulp1)	190003	1,000 units, 10,000 units

TEV Protease- GST-tag	190004-R	50 ug, 200 ug, 1 mg
Recombinant Biotin Protein Ligase (BirA)	90101	100 ug
Recombinant SortaseA-5M	90201	50 ug, 200ug
Recombinant Mouse Leukemia Inhibitory Factor	11-0001	10 ug, 100 ug
Recombinant Human LIF	12-0002	10 ug, 100 ug, 1 mg
Recombinant Human FGF-basic, Carrier-free	12-0005CFR	50 ug, 100 ug, 500 ug, 1 mg
DNA Polymerase Theta-N-Helicase Domain	7657643	20 ug, 100 ug
DNA Polymerase Theta-C terminal Domain	7657283	20 ug, 100 ug, 1 mg
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, 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 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 Q61H, GST-tag,	5727-7614G	50 µg, 100 µg
Kras Q61H, GST-tag, GDP Loaded	5727-7614G -G	50 µg, 100 µg
Kras Q61H, GST-tag, GppNHp loaded	5727-7614G -GP	50 µg, 100 µg
Kras Q61K, GST-tag,	5727-7615G	50 µg, 100 µg
Kras Q61K, GST-tag, GDP Loaded	5727-7615G -G	50 µg, 100 µg
Kras Q61K, GST-tag, GppNHp loaded	5727-7615G -GP	50 µg, 100 µg
Kras Q61R, GST-tag,	5727-7617G	50 µg, 100 µg
Kras Q61R, GST-tag, GDP Loaded	5727-7617G -G	50 µg, 100 µg
Kras Q61R, GST-tag, GppNHp loaded	5727-7617G -GP	50 µg, 100 µg
Human SOS1, No Tag	7671	50 µg, 100 µg
Human RBD-RAF1, N-His tag, C-FLAG tag	7237231	50 µg, 100 µg
Recombinant Human PD-1	23731	100 ug
Recombinant Human PD-L1	237351	100 ug
Recombinant Human OX40	236940	100 ug
Recombinant Human OX40L	2369405	100 ug
Recombinant Human BCL2	225201	100 ug
Recombinant Human Mst1	56781	10 ug, 50 ug, 100 ug, 500 ug
GST-CDK2: GST-CyclinE1	C352E1	10 ug, 100 ug
GST-CDK2: His-CyclinA2	C352A2	10 ug, 100 ug
Recombinant Human Malic enzyme 1 (ME1)	180001	10 ug, 25 ug, 100 ug, 1 mg
Recombinant Human Malic enzyme 2 (ME2)	180002	10 ug, 25 ug, 100 ug, 1 mg
Recombinant Human Malic enzyme 3 (ME3)	180003	10 ug, 25 ug, 100 ug, 1 mg

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