

Active Recombinant Human ROS1 Protein, G2032R, L2086F, GST tagged

Cat. No. ROS1-15H **Lot. No.** (See product label)

SPECIFICATION

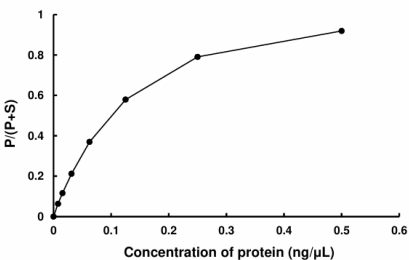
Product Overview	Human ROS, cytoplasmic domain [1883-2347(end) amino acids and G2032R/L2086F of accession number NP_002935.2] was expressed as N-terminal GST-fusion protein (79 kDa) using baculovirus expression system. GST-ROS[G2032R/L2086F] was purified by using glutathione sepharose chromatography.
Species	Human
Source	Insect Cells
ProteinLength	1883-2347 aa
Description	This proto-oncogene, highly-expressed in a variety of tumor cell lines, belongs to the sevenless subfamily of tyrosine kinase insulin receptor genes. The protein encoded by this gene is a type I integral membrane protein with tyrosine kinase activity. The protein may function as a growth or differentiation factor receptor.
Form	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
Molecular Mass	79 kDa
Storage	Store at -80 centigrade. Avoid repeating freeze-thaws.

GENE INFORMATION

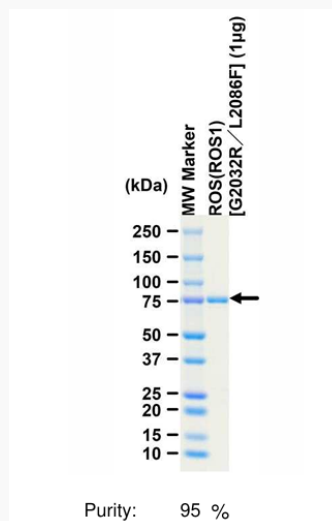
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Gene Name	ROS1 c-ros oncogene 1, receptor tyrosine kinase [Homo sapiens (human)]																
Official Symbol	ROS1																
Synonyms	ROS1; c-ros oncogene 1, receptor tyrosine kinase; v ros avian UR2 sarcoma virus oncogene homolog 1, v ros UR2 sarcoma virus oncogene homolog 1 (avian); proto-oncogene tyrosine-protein kinase ROS; c ros 1; MCF3; ROS; proto-oncogene c-Ros; proto-oncogene c-Ros-1; c-Ros receptor tyrosine kinase; receptor tyrosine kinase c-ros oncogene 1; v-ros UR2 sarcoma virus oncogene homolog 1; transmembrane tyrosine-specific protein kinase; v-ros avian UR2 sarcoma virus oncogene homolog 1; c-ros-1;																
Gene ID	6098																
mRNA Refseq	NM_002944																
Protein Refseq	NP_002935																
MIM	165020																
UniProt ID	P08922																
Activity	 <table border="1"> <caption>Approximate data points from the ROS1 activity graph</caption> <thead> <tr> <th>Concentration of protein (ng/μL)</th> <th>P(P-S)</th> </tr> </thead> <tbody> <tr><td>0.02</td><td>0.05</td></tr> <tr><td>0.04</td><td>0.15</td></tr> <tr><td>0.06</td><td>0.25</td></tr> <tr><td>0.08</td><td>0.38</td></tr> <tr><td>0.12</td><td>0.58</td></tr> <tr><td>0.25</td><td>0.80</td></tr> <tr><td>0.50</td><td>0.95</td></tr> </tbody> </table>	Concentration of protein (ng/μL)	P(P-S)	0.02	0.05	0.04	0.15	0.06	0.25	0.08	0.38	0.12	0.58	0.25	0.80	0.50	0.95
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SDS-PAGE and WB



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