

Recombinant Human C-Ros Oncogene 1, Receptor Tyrosine Kinase, GST-tagged

Cat. No. ROS1-1091H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human ROS1 (1883-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	1883-end a.a.
Description	ROS1 is a proto-oncogene and member of the sevenless subfamily of tyrosine kinase insulin receptor genes. ROS1 is highly-expressed in a variety of tumor cell lines and functions as a growth or differentiation factor receptor. The FIG gene can fuse with the ROS1 gene in glioblastoma cell lines. The resulting ROS1 fusion protein is a constitutively activated tyrosine kinase.
Applications	Kinase Assay; Western Blot
Molecular Weight	82 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1mM PMSF, 25 % glycerol.

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Specific Activity	640 nmol/min/mg
Purity	> 75 %
Concentration	0.1 ug/ul
Sequences	1883-edd
Storage	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	ROS1 c-ros oncogene 1 , receptor tyrosine kinase [Homo sapiens]
Official Symbol	ROS1
Synonyms	ROS1; c-ros oncogene 1, receptor tyrosine kinase; ROS; MCF3; c-ros-1; EC 2.7.10.1; proto-oncogene tyrosine-protein kinase ROS; OTTHUMP00000017814; OTTHUMP00000017815; proto-oncogene c-Ros-1; v-ros UR2 sarcoma virus oncogene homolog 1; transmembrane tyrosine-specific protein 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; Proto-oncogene c-Ros-1
Gene ID	6098
mRNA Refseq	NM_002944
Protein Refseq	NP_002935

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MIM	165020
UniProt ID	P08922
Chromosome Location	6q21-q22
Function	ATP binding; nucleotide binding; protein tyrosine kinase activity; receptor activity; transmembrane receptor protein tyrosine kinase activity

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