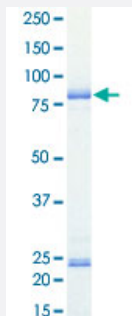


Bioactive

ROS1 (Human) Recombinant Protein

Catalog # P5637 Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

□

Specification

Product Description	Human ROS1 (NP_002935.2, 1883 a.a. - 2347 a.a.) partial recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	79
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	54 % by SDS-PAGE/CBB staining

Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000. Substrate: IRS1. ATP: 100 uM.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — ROS1

Entrez GeneID	6098
Protein Accession#	NP_002935.2
Gene Name	ROS1
Gene Alias	MCF3, ROS, c-ros-1
Gene Description	c-ros oncogene 1 , receptor tyrosine kinase
Omim ID	165020
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000017814 OTTHUMP00000040389 proto-oncogene c-ros-1 protein proto-oncogene tyrosine-protein kinase ROS transmembrane tyrosine-specific protein kinase v-ros UR2 sarcoma virus oncogene homolog 1 v-ros avian UR2 sarcoma virus oncogene homolog 1

Disease

- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Pulmonary Disease](#)
- [Renal Insufficiency](#)
- [Stroke](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)