

Recombinant human ROS1 protein ab125624

[5 Images](#)

Description

Product name	Recombinant human ROS1 protein
Biological activity	The specific activity of ab125624 was determined to be 640 nmol/min/mg.
Purity	> 75 % Densitometry. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Accession	<u>P08922</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	82 kDa including tags
Amino acids	1883 to 2347

Specifications

Our **Abpromise guarantee** covers the use of **ab125624** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

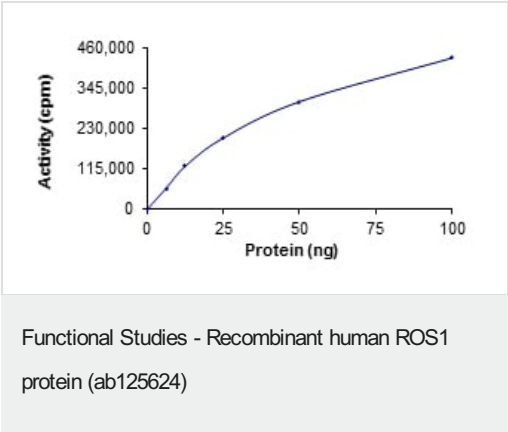
Applications	Western blot Functional Studies SDS-PAGE
Form	Liquid
Additional notes	<u>ab204862</u> (IRS1 peptide) can be utilized as a substrate for assessing kinase activity

Preparation and Storage

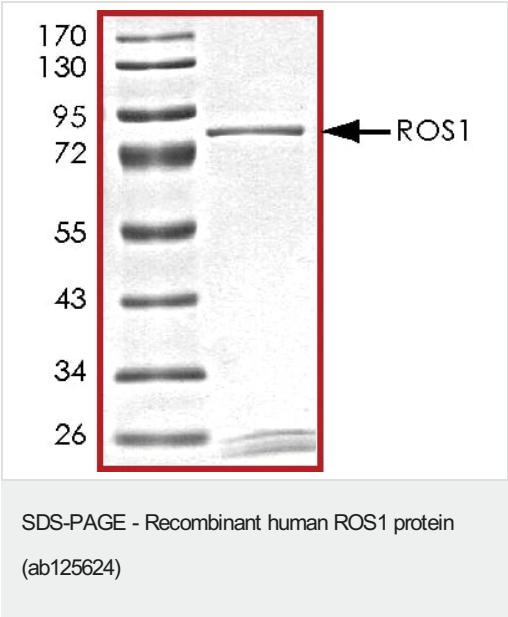
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.31% Glutathione, 0.002% PMSF, 0.003% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info	
Function	This is probably a cell growth or differentiation factor receptor with a tyrosine-protein kinase activity.
Tissue specificity	Expressed in brain. Expression is increased in primary gliomas.
Involvement in disease	Note=A chromosomal aberration involving ROS1 is found in a glioblastoma multiforme sample. An intra-chromosomal deletion del(6)(q21q21) is responsible for the formation of GOPC-ROS1 chimeric protein which has a constitutive receptor tyrosine kinase activity.
Sequence similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily. Contains 9 fibronectin type-III domains. Contains 1 protein kinase domain.
Cellular localization	Membrane.

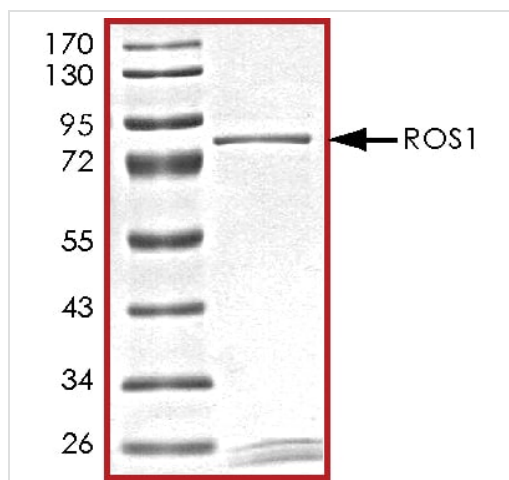
Images



The specific activity of ROS1 (ab125624) was determined to be 610 nmol/min/mg as per activity assay protocol



SDS PAGE analysis of ab125624



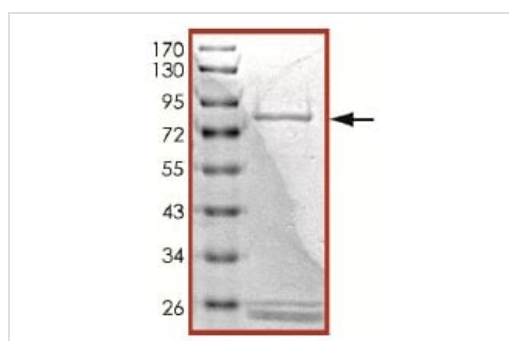
SDS PAGE analysis of ab125624

SDS-PAGE - Recombinant human ROS1 protein
(ab125624)



Sample Kinase Assay showing the specific activity of ab125624 as 640 nmol/min/mg.

Functional Studies - Recombinant human ROS1
protein (ab125624)



SDS-PAGE analysis of ab125624.

SDS-PAGE - Recombinant human ROS1 protein
(ab125624)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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