

DDR1 (S496A) Recombinant Protein | DDR1 recombinant protein

DDR1 (S496A), Active

CATALOG # AAA73393	HOST Sf9 insect cells	APPLICATIONS Kinase Assay
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PRODUCT SYNONYMS

DDR1 (S496A); Active; CAK; CD167; DDR; EDDR1 (S496A); MCK10; NEP; NTRK4; PTK3; PTK3A; RTK6; TRKE; DDR1 recombinant protein

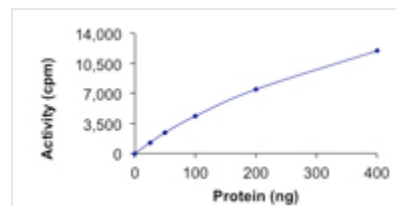
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for DDR1 recombinant protein	Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES


SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.


Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for DDR1 recombinant protein	Recombinant human DDR1 (S496A)(444-end) protein was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_001954. DDR1 is a member of the subfamily of tyrosine kinase receptors with a homology region to the Dictyostelium discoideum protein discoidin I in its extracellular domain. DDR1 is widely expressed in normal and transformed epithelial cells and is activated by various types of collagen. Expression of DDR1 is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain and DDR1 is over-expressed in fast-growing invasive tumors of the breast, ovary, esophagus, brain and lung. Collagen type I mediated stimulation of DDR1 leads to activation of matrix metalloproteinase 2 and 9 as well as increased cell invasion.
Product Categories/Family for DDR1 recombinant protein	Mutant Kinases ; Apoptosis/Autophagy ; Cancer ; Cardiovascular Disease ; NfκB Pathway ; Receptor Tyrosine Kinases

References

1. Di Marco. et.al: Molecular cloning of trkE, a novel trk-related putative tyrosine kinase receptor isolated from normal human keratinocytes and widely expressed by normal human tissues. J. Biol. Chem. 268: 24290-24295, 1993.
2. Yoshida, D. et al: The use of 3-D culture in peptide hydrogel for analysis of discoidin domain receptor 1-collagen interaction. Cell Adh Migr. 2007 Apr;1(2):92-8.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_001954](#)

Molecular Weight

77kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ddr1-s496a-recombinant-protein-sf9-insect-cells-kinase-assay/73393>