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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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DHX9, FLAG-Tag Recombinant

Catalog: 102248
Lot: 240812-A

Product Information

Description:	Recombinant human DHX9 (DExH-Box Helicase 9), transcript variant 1, encompassing amino acids 150-1150. This construct contains a C-terminal FLAG-tag. The recombinant protein was affinity purified.
Background:	DHX9 (DExH-Box Helicase 9), also known as RNA Helicase A or Nuclear Helicase II (NDHII), is a member of the DEAH-containing family of RNA helicases. The encoded protein is an enzyme that catalyzes the ATP-dependent unwinding of double-stranded RNA and DNA-RNA complexes. This protein localizes mainly to the nucleus but can migrate to the cytoplasm, and functions as a transcriptional regulator. It is ubiquitously expressed and abundant. It interacts with many proteins, such as PRMT1 (protein arginine N-methyltransferase 1) and WRN (Werner Syndrome ATP-dependent Helicase. This protein may also be involved in the expression and nuclear export of retroviral RNAs, and is studied for its roles in cancer progression, antiviral immune response, and aging. DHX9 has become a relevant therapeutic target for diseases such as MM (multiple myeloma), showing promising results.
Species:	Human
Construct:	DHX9 (150-1150-FLAG)
Concentration:	0.3 mg/ml
Expression System:	HEK293
Purity:	83%
Format:	Aqueous buffer solution.
Formulated In:	40 mM Tris-HCl pH8, 110 mM NaCl, 2.2 mM KCl, 5 mM MgCl2, 20% glycerol, and 3 mM DTT
MW:	114 kDa
Genbank Accession:	NM_001357.5
Stability:	At least 6 months at -80°C.
Storage:	-80°C
Instructions for Use:	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
Assay Conditions:	Assay was performed in a white non-binding low volume 96-well plate. For protein titration a serial dilution of DHX9, FLAG-Tag Recombinant with the highest concentration of 7.5 ng/ µl (150 ng/ reaction) was prepared in U2 Assay Buffer (BPS Bioscience #78856). Serial dilutions of DHX9, FLAG-Tag Recombinant together with DHX9 DNA substrate (BPS Bioscience #82972) at final concentration 400 nM and ATP at final concentration 100 µM were incubated at Room Temperature (RT) for 1 hour. ADP-Glo™ reagent (25 µl/well) was then added to the wells and plate was incubated at RT for another 45 minutes, after which Kinase Detection reagent (50 µl/well) was added for a further 45 minutes prior chemiluminescence reading.
Applications:	Useful for the study of ATP-dependent enzymatic activity.

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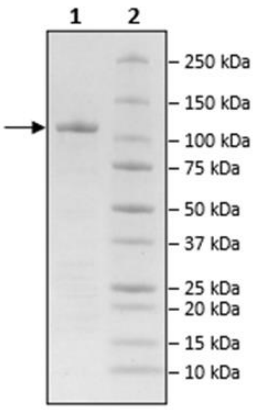
Quality Control Data

4-20% SDS-PAGE Coomassie Staining



DXH9 ATPase Enzyme Activity