

Recombinant DHX9 protein

Catalog No: 82164, 82764

Expressed In: Baculovirus

Quantity: 20, 1000 µg

Source: Human

Buffer Contents: Recombinant DHX9 protein is supplied in 25 mM HEPES pH 7.5, 300 mM NaCl, 20% glycerol, 0.04% Triton X-100, 0.5 mM TCEP

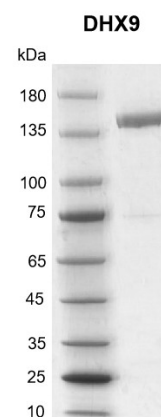
Background: DHX9 is a multifunctional nuclear ATP-dependent RNA helicase crucial for resolving complex nucleic acid structures. It plays essential roles in transcription, mRNA processing and export, translation, and genomic stability by unwinding DNA/RNA hybrids (R-loops) and structured RNAs. Its activity is vital for viral replication, and dysregulation of DHX9 is implicated in cancer development, neurodegenerative diseases, and autoimmune disorders, highlighting its importance as a central node in nucleic acid metabolism.

Protein Details: Recombinant DHX9 protein was expressed in baculovirus expression system as the full-length protein (accession number NP_001348.2) with a N-terminal FLAG tag. The molecular weight of the protein is 142.23 kDa.

Application Notes: This product was manufactured as described in Protein Details. Where possible, Active Motif has developed functional or activity assays for recombinant proteins. Additional characterization such as enzyme kinetic activity assays, inhibitor screening or other biological activity assays may not have been performed for every product. All available data for a given product is shown on the lot-specific Technical Data Sheet.

Storage and Guarantee: Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. This product is guaranteed for 6 months from date of receipt.

This product is for research use only and is not for use in diagnostic procedures.



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4 - 20% SDS-PAGE gel and stained with Coomassie blue.

MW: 142.23 kDa

Purity: >95%