

Recombinant DDX1 protein

Catalog No: 82165, 82765

Expressed In: Baculovirus

Quantity: 20, 1000 µg

Source: Human

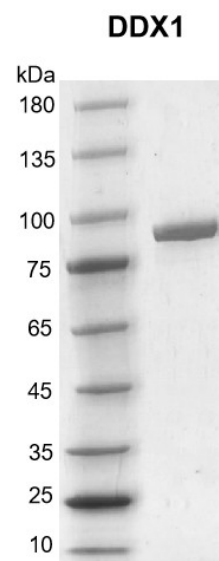
Buffer Contents: Recombinant DDX1 protein is supplied in 25 mM HEPES pH 7.5, 300 mM NaCl, 20% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.

Background: **DDX1** is a highly conserved ATP-dependent RNA helicase crucial for multiple aspects of RNA metabolism, including transcription, splicing, and export. It plays a vital role in resolving R-loops to maintain genomic stability and is a core component of the tRNA splicing machinery. Importantly, **DDX1** is frequently amplified and overexpressed in various cancers, where it promotes tumor growth, therapy resistance, and viral replication, making it a significant factor in oncology and a potential therapeutic target.

Protein Details: Recombinant DDX1 protein was expressed in baculovirus expression system as the full-length protein (accession number NP_004930.1) with a C-terminal FLAG tag. The molecular weight of the protein is 84.13 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 this product is shown.

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 for research use only and is not for use in diagnostic procedures. This product is guaranteed for 6 months from date of arrival.



Recombinant DDX1 protein gel
4-20% SDS-PAGE gel
MW: 84.13 kDa
Purity: >95%