

## DDX60 Protein, Human, Recombinant (His)

### General Information

Synonyms:	DEAD box protein 60; Probable ATP-dependent RNA helicase DDX60; DDX60
Protein Construction:	772-939 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q8IY21
Molecular Weight:	23.1 kDa (predicted)
AA Sequence:	LDVVDKNESAVIVAPTSSGKTYASYCMEKVLKESDDGVVVYVAPTKALVNQVAATVQNRFTKNLPSGEVLC GVFTREYRHDALNCQVLITVPACFEILLAPHRQNWVKKIRYVIFDEVHCLGGEIGAEIWEHLLVMIRCPFLALS ATISNPEHLTEWLQSVKQWYWK

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/ $\mu$ g of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100  $\mu$ g/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at  $-80^{\circ}\text{C}$ . For reconstituted protein solutions, the solution can be stored at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Positively regulates DDX58/RIG-I- and IFIH1/MDA5-dependent type I interferon and interferon inducible gene expression in response to viral infection. Binds ssRNA, dsRNA and dsDNA and can promote the binding of

DDX58/RIG-I to dsRNA. Exhibits antiviral activity against hepatitis C virus and vesicular stomatitis virus (VSV).

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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