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## Product Data Sheet

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Product Name: DDX39A Human  
 Cat. No.: GP23312  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39A; BAT1; BAT1L; DDX39; DDXL; URH49; ATP-dependent RNA helicase DDX39A; DEAD box protein 39; Nuclear RNA helicase URH49; DDX39A.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSEFMAEQD VENDLLDYDE EEEPQAPQES TPAPPKKDIK GSYVSIHSSG FRDFLLKPEL LRAIVDCGFE HPSEVQHECI PQAILGMDVL CQAKSGMGKT AVFVLATLQQ IEPVNGQVTV LVMCHTRELA FQISKEYERF SKYMPSVKVS VFFGGLSIKK DEEVLKKNCP HVVVGTPGRI LALVRNRSFS LKNVKHFVLD ECDKMLEQLD MRRDVQEIFR LTPHEKQCMM FSATLSKDIR PVCRCFMQDP MEVF.		
Formulation	DDX39A protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.		

### Introduction

DDX39A which is a part of the DEAD box protein family is characterized by the conserved motif Asp-Glu-Ala-Asp. This pattern is implicated in a various cellular processes involving alteration of RNA secondary structure, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Several members of the DEAD box protein family are taking part in embryogenesis, spermatogenesis, and cellular growth and division.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

**Caution: Product has not been fully validated for medical applications. For research use only.**

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DDX39A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 274 amino acids (1-249 a.a) and having a molecular mass of 31kDa. DDX39A is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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