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## Product Data Sheet

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Product Name: EXOSC8 Human  
 Cat. No.: GP23431  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Exosome Component 8; EXOSC8; OIP2; RRP43; CBP-Interacting Protein 3; Opa Interacting Protein 2; Opa-Interacting Protein 2; Ribosomal RNA-Processing Protein 43; OIP-2; p9; CIP3; EAP2; Rrp43p; bA421P11.3; Exosome Complex Component RRP43; Exosome Complex Exonuclease RRP43.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAAGFKT VEPLEYRRF LKENCPRDGR ELGEFRTTTT NIGSISTADG SALVKLGNTT VICGVKAEFA APSTDAPDKG YVVPNVDLPP LCSSRFRSGP PGEEAQVASQ FIADVIENSQ IIQKEDLCIS PGKLVWVLYC DLICLDYDGN ILDACTFALL AALKNVQLPE VTINEETALA EVNLKKKSYL NIRTHPVATS FAVFDDTLI VDPTGEEHL ATGTLTIVMD EEGKLCCLHK PGGSGLTGAK LQDCMSRAVT RHKEVKKLM D EVIKSMKPK.		
Formulation	The EXOSC8 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 50% glycerol, 0.2M NaCl and 1mM DTT.		

### Introduction

Exosome component 8 and transcription factor 4 (EXOSC8) is a part of the exosome complex. In the cytoplasm, the RNA exosome complex is engaged in general mRNA turnover and specifically degrades naturally unstable mRNAs containing AU-rich elements (AREs) within their 3' untranslated regions, and in RNA inspection pathways, preventing translation of aberrant mRNAs. EXOSC8 appears to be involved in degradation of histone mRNA. EXOSC8 attaches to ARE-containing RNAs. The EXOSC8 gene encodes a 3'-5' exoribonuclease, which specifically interacts with mRNAs containing AU-rich elements. The EXOSC8 protein is part of the exosome complex, which is significant for the degradation of many RNA species.

### Stability

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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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

EXOSC8 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 299 amino acids (1-276) and having a molecular mass of 32.4 kDa. EXOSC8 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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