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## Product Data Sheet

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Product Name: EXOSC7 Human  
 Cat. No.: GP23430  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Exosome Component 7; RRP42; Ribosomal RNA-Processing Protein 42; P8; Exosome Complex Exonuclease RRP42; Exosome Complex Component RRP42; KIAA0116; HRrp42p; EAP1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMASVTLS EAEKVYIVHG VQEDLRVDGR GCEDYRCVEV ETDVVSNTSG SARVKLGHTD ILVGVKAEMG TPKLEKPNEG YLEFFVDCSA SATPEFEGRG GDDLGTIAN TLYRIFNNKS SVDLKTLCIS PREHCWVLYV DVLLLECGGN LFDIAISIAVK AALFNTRIPR VRVLEDEEGS KDIELSDDPY DCIRLSVENV PCIVTLCKIG YRHVVDATLQ EEACSLASLL VSVTSKGVVT CMRKVGKGS L DPESIFEMME TGKRVGKVLH ASLQSVVHKE ESLGPKRQKV GFLG		
Formulation	EXOSC7 protein solution (0.5mg/ml) containing 20mM Phosphate buffer saline (pH 8.0), 0.15M NaCl, 1mM DTT and 20% glycerol.		

### Introduction

EXOSC7, a component of the RNA exosome complex, is a member of the RNase PH family. EXOSC7 takes part in several pathways such as transfer to a nascent protein and Unfolded Protein Response and Biosynthesis of the N-glycan precursor (dolichol lipid-linked oligosaccharide, LLO). A significant paralog of this gene is EXOSC9.

### 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

EXOSC7 Human Recombinant produced in E.Coli is a single, non-glycosylated

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

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polypeptide chain containing 314 amino acids (1-291 a.a.) and having a molecular mass of 34.2kDa. EXOSC7 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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