
Product Data Sheet

Product Name: EXOSC5 Human
 Cat. No.: GP23429
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Exosome component 5; Chronic myelogenous leukemia tumor antigen 28; Ribosomal RNA-processing protein 46; exosome complex exonuclease RRP46; RRP41B; hRrp46p; CML28; p12B.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MMEETHHTDA KIRAENGTGS SPRGPGCSLR HFACEQNLLS RPDGSASFLQ GDTSVLAGVY GPAEVKVSKE IFNKATLEVI LRPKIGLPGV AEKSRLRIR NTCEAVVLGT LHPRTSITVV LQVSDAGSL LACCLNAACM ALVDAGVPMR ALFCGVACAL DSDGTLVLDP TSKQEKEARA VLTALDSVE RKLLMSSTKG LYSDELQQC LAAQAASQH VFRFYRESLQ RRYSKS		
Formulation	The EXOSC5 solution (0.5mg/1ml) contains PBS buffer (pH 7.4), 200mM NaCl, 2mM DTT and 30% glycerol.		

Introduction

EXOSC5 is a member of the RNase PH family. EXOSC5 is known to cooperate with Exosome component 8 and Exosome component 1. EXOSC5 is a Non-catalytic component of the RNA exosome complex and has 3'->5' exoribonuclease activity. EXOSC5 take part in a large number of cellular RNA processing and degradation events. EXOSC5 is expressed in a large range of hematopoietic and epithelial tumor cell lines, but not in standard hematopoietic tissues or other standard tissue, with the exception of testis.

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.

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

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Background

EXOSC5 Human Recombinant produced in *E. coli* is a single polypeptide chain containing 256 amino acids (1-235) and having a molecular mass of 27.5kDa. EXOSC5 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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