
Product Data Sheet

Product Name: EXOSC10 Human
Cat. No.: GP23432
Batch No.: 1

Product Data

Purity	>98%	Source	Sf9 insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Exosome component 10; Polymyositis/scleroderma autoantigen 2; Autoantigen PM/Scl 2; Polymyositis/scleroderma autoantigen 100 kDa; PM/Scl-100; P100 polymyositis-scleroderma overlap syndrome-associated autoantigen; EXOSC10; PMSCL; PMSCL2; p2; p3; p4; RRP6; Rrp6p; PM-Scl.		
Formulation	EXOSC10 is supplied in 20mM HEPES, pH-7.5, 100mM NaCl, 0.01mM EDTA, 0.02% SDS.		

Introduction

EXOSC10 is a nucleolar protein and represents one crucial component of the so-called "PM/Scl complex" or "nuclear exosome", which is an RNA-processing complex consisting of a number of exoribonucleases (not to be confused with certain multivesicular bodies which are shed by cultured cells into the culture fluid and are also called exosomes). Autoantibodies against EXOSC10 occur in patients suffering from polymyositis, scleroderma or polymyositis/scleroderma overlap syndromes. While antibodies to other components of the exosome complex (PM/Scl 75, several Rrp proteins) can be found in some sera, practically all patients with autoantibodies against the PM/Scl complex are positive for EXOSC10 antibodies, making this specificity an important marker. The presence of EXOSC10 autoantibodies is a comparatively "good" prognostic sign in polymyositis/scleroderma overlap syndrome unlike the poor prognosis seen when other myositis and systemic sclerosis specific autoantibodies are present.

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. Avoid multiple freeze-thaw cycles.

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

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Background

EXOSC10 Human Recombinant produced in SF9 is a glycosylated, polypeptide chain having a molecular mass of 102 kDa. EXOSC10 is expressed with a -6xHis tag and purified by proprietary chromatographic techniques.

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