

## EXOSC10

### Recombinant Human Exosome Component 10 His

<b>Catalog No.</b>	CRP140A CRP140B CRP140C	<b>Quantity:</b>	5 µg 20 µg 1.0 mg
<b>Alternate Names:</b>	EXOSC10, PMSCL, PMSCL2, p2, p3, p4, RRP6, Rrp6p, PM-Scl.		
<b>Description:</b>	<p>Recombinant Human EXOSC10 is a glycosylated, polypeptide chain produced in a Baculovirus insect cell system and is expressed with a 6x His tag.</p> <p>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 that is seen when other myositis and systemic sclerosis-specific autoantibodies are present.</p>		
<b>Concentration:</b>	0.8 mg/ml		
<b>GenelD:</b>	5394		
<b>Source:</b>	Sf9 insect cells		
<b>Molecular Mass:</b>	120 kDa		
<b>Formulation:</b>	Sterile filtered clear solution containing 20 mM HEPES, pH-7.5, + 100 mM NaCl + 0.01 mM EDTA + 0.02% SDS		
<b>Purity:</b>	> 70% as determined by SDS-PAGE.		
<b>Purification:</b>	EXOSC10 is purified by proprietary chromatographic techniques.		
<b>Applications:</b>	<p>Western-Blot: with anti-hexa-His-tag mAb &amp; polymyositis patient sera.</p> <p>ELISA: 0.4-0.8 µg/ml (depending on the type of ELISA plate and coating buffer).</p> <p>Suitable for Biotinylation or Iodination.</p>		
<b>Immunological Functions:</b>	<ol style="list-style-type: none"> <li>1. Binds IgG-type human auto-antibodies.</li> <li>2. Standard ELISA test (checker-board analysis of positive/negative sera panels).</li> </ol>		
<b>Storage &amp; Stability:</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. <b>Avoid multiple freeze-thaw cycles.</b>		

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**



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