

## EXOSC10

### Recombinant Human Exosome Component 10, His Tag

<b>Catalog No.</b>	CRP140A CRP140B CRP140C	<b>Quantity:</b>	50 µg 20 µg 1.0 mg
<b>Alternate Names:</b>	Exosome component 10, Autoantigen PM/Scl 2, Polymyositis/scleroderma autoantigen 100 kDa, PM/Scl-10		
<b>Description:</b>	<p>Exosome component 10 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).</p> <p>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>UniProt ID:</b>	Q01780		
<b>Tag:</b>	6X His		
<b>Concentration:</b>	1.02 mg/ml (20 µg/19.6 µl)		
<b>Source:</b>	Sf9 insect cells		
<b>Molecular Mass:</b>	120 kDa		
<b>Formulation:</b>	Sterile-filtered 20 mM HEPES, pH-7.5, 100 mM NaCl, 0.01 mM EDTA, 0.02% SDS		
<b>Purity:</b>	> 95% as determined by SDS-PAGE.		
<b>Purification:</b>	EXOSC10 is purified by proprietary chromatographic techniques.		
<b>Applications:</b>	<p><b>Western-Blot:</b> using polymyositis patient sera and monoclonal antibody to 6X His tag.</p> <p><b>ELISA:</b> suggested coating concentration 0.4-0.8 µg/ml 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>	Upon receipt, store at -20°C to -80°C for long term or at 2-8°C for immediate use (2-4 weeks.) <b>Avoid multiple freeze-thaw cycles.</b>		

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



**Cell Sciences®**  
65 Parker Street  
Unit 11  
Newburyport, MA 01950

Toll Free: 888-769-1246  
Phone: 978-572-1070  
Fax: 978-992-0298

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)