The 20S catalytic core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Immunoproteasomes are modified forms of the constitutive 20S that function in MHC Class I antigen processing. During immunoproteasome assembly, the constitutive catalytic subunits (Delta, Z and X) are replaced by the inducible subunits LMP2, LMP7 and MECL, the former two being encoded by MHC. This protein has been purified from canine spleen.

**Product Information**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity</td>
<td>25 µg</td>
</tr>
<tr>
<td>Stock</td>
<td>X mg/ml (µM) in 50 mM HEPES pH 7.6, 100 mM NaCl, 1 mM DTT. Actual concentration will vary with specific Lot #.</td>
</tr>
<tr>
<td>MW</td>
<td>700 kDa</td>
</tr>
<tr>
<td>Purity</td>
<td>&gt; 95% by SDS-PAGE</td>
</tr>
</tbody>
</table>

**Use & Storage**

**Use:** Typical enzyme concentration for assay is 0.1-1 nM. 20S can be activated by SDS (0.035%) or with PA28 Activator (Cat. # E-380).

**Storage:** Store at -80°C. Avoid multiple freeze/thaw cycles.

**Literature**


_for Laboratory Research Use Only, Not For Use in Humans_