UBE2I/Ubc9, *human recombinant*
Cat. # E2-645

UBE2I (Ubc9) is a member of the E2 family and is homologous to ubiquitin-conjugating enzymes, but is specific for the conjugation of SUMO to a variety of target proteins. This E2 is unusual in that it interacts directly with protein substrates that are modified by SUMOylation, and may play a role in substrate recognition. UbcH9 can mediate the conjugation of SUMO-1, SUMO-2 and SUMO-3 to a variety of proteins including RanGAP1, IκBα, and PML without the requirement of an E3 ligase.

**Product Information**

<table>
<thead>
<tr>
<th>Quantity:</th>
<th>X µg</th>
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<tbody>
<tr>
<td>Stock:</td>
<td>X mg/ml (X µM) in 50 mM HEPES pH 7.6, 125 mM NaCl, 10% glycerol, 1 mM DTT. Actual concentration will vary with specific Lot #.</td>
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<tr>
<td>MW:</td>
<td>20 kDa</td>
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<tr>
<td>Purity:</td>
<td>&gt; 95 % by SDS-PAGE</td>
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</table>

**Use & Storage**

**Use:**
Typical enzyme concentration to support conjugation *in vitro* is 100 nM-1 µM depending on conditions.

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

**Literature**

References:

*For Laboratory Research Use Only, Not For Use in Humans*