**ACF Chromatin Remodeling Enzyme Complex**

**Catalog No.**  15-1013  
**Lot No.**  18200001  
**Pack Size**  100 reactions

<table>
<thead>
<tr>
<th>Type</th>
<th>Remodeler/ATPase</th>
<th>Expressed In</th>
<th>Epitope Tag</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mol. Wgt.</td>
<td>185 kDa</td>
<td>SF9 cells</td>
<td>6His-FLAG</td>
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</table>

**Product Description:**  
Recombinant *Drosophila* ACF Chromatin Remodeling Enzyme Complex, assembled from Acf1-FLAG and ISWI produced in SF9 cells. ACF is an ATP-dependent chromatin remodeling complex that regulates nucleosome spacing.

**Formulation:**  
ACF Complex at 0.18 mg/ml in 5.2 µl of 20 mM Tris HCl pH 7.9, 150 mM NaCl, 2 mM MgCl₂, 0.2 mM EDTA, 10 mM beta-glycerophosphate, 0.01% NP-40, 0.2 mM PMSF, 0.5 mM benzamidine, 1 mM DTT, 15% glycerol, 2 µg/ml leupeptin, 1 µg/ml aprotinin, 0.4 mg/ml recombinant insulin, 0.4 mg/ml 3x FLAG peptide. Molarity: 973 nM

**Storage and Stability:**  
Stable for six months at -80°C from date of receipt. For best results, aliquot and avoid multiple freeze/thaws.

**Application Notes:**  
This product is sufficient to perform 100 remodeling reactions using EpiDyne®-FRET substrate. A single reaction is defined as 10 µl containing [5 nM ACF Complex/ 20 nM EpiDyne®-FRET/ 50 µM rATP] and remodels to completion in <20 minutes. 5x ACF Remodeling Assay Buffer is included (100 mM Tris HCl, pH 7.5, 250 mM KCl, 15 mM MgCl₂, 0.05% (w/v) BSA, 0.05% (v/v) Tween 20). For best results, aliquot ACF into single-use aliquots upon arrival. Avoid multiple freeze/thaw cycles. For further information, please contact Technical Support (techsupport@epicypher.com) or refer to the EpiDyne®-FRET Technote (https://www.epicypher.com/technotes TN#106).

**ATP-dependent Chromatin Remodeling Assay:**  
EpiDyne®-FRET Chromatin Remodeling Substrate (20 nM; Catalog No. 16-4201) incubated with ACF Remodeling Enzyme Complex (concentrations indicated), with or without ATP (50 µM). Curves denote FRET efficiency/chromatin remodeling.

**References:**  

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This product is for *in vitro* research use only and is not intended for use in humans or animals.