

*Recombinant human  $\alpha$ -Synuclein (rhu- $\alpha$ -Syn)*

Catalogue number	Package size
847-0101008501	100 $\mu$ g
847-0101008502	500 $\mu$ g
847-0101008503	1 mg

*For research use only.*

<b>Product:</b>	Recombinant protein
<b>Description:</b>	Histidine-tagged full-length mature part of human $\alpha$ -Synuclein
<b>Host:</b>	<i>E. coli</i> BL21
<b>Length:</b>	146 amino acids
<b>Molecularweight:</b>	15.3 kDa
<b>Sequence:</b>	MHHHHHHDVFMKGLSKAKEGVVAAAEEKTKQGVAEAAGKTKEGVLYVGSKT KEGVVHGVATVAEKTKEQVTNVGGAVVTGVTAVAQKTVEGAGSIAAATGFVK KDQLGK NEEGAPQEGILEDMPVDPDNEAYEMPSEEGYQDYPEA
<b>Preparation:</b>	After lysing of <i>E. coli</i> and centrifugation the supernatant was applied to purification
<b>Purification:</b>	Ni(II)-nitriloacetate agarose chromatography followed by ion-exchange chromatography
<b>Purity:</b>	> 95% by SDS-PAGE
<b>Solution:</b>	50 mM Tris-HCl
<b>Storage:</b>	at $-20^{\circ}\text{C}$ (repeated thawing and freezing should be avoided)
<b>Application:</b>	ELISA, Western Blot, SDS-PAGE

**Figure 1**

1  $\mu$ g recombinant human  $\alpha$ -Synuclein was separated by 14 % SDS-PAGE under reducing conditions and stained by Coomassie blue (2). Molecular weight markers indicate human  $\alpha$ -Synuclein protein between 14.4 and 21 kDa.

**MW (kDa) 1 2**

 100  
66  
45  
31  
21  
14.4
