

Revision: 002 Date: 10.06.2021

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

 Catalogue number
 Package size

 847-0101008501
 100 μg

 847-0101008502
 500 μg

 847-0101008503
 1 mg

For research use only.

**Product:** Recombinant protein

**Description:** Histidine-tagged full-length mature part of human  $\alpha$ -Synuclein

**Host:** E. coli BL21 **Lentgth:** 146 amino acids

Molecularweight: 15.3 KDa

Sequence: MHHHHHHDVFMKGLSKAKEGVVAAAEKTKQGVAEAAGKTKEGVLYVGSKT

KEGVVHGVATVAEKTKEQVTNVGGAVVTGVTAVAQKTVEGAGSIAAATGFVK

**KDQLGK** 

NEEGAPQEGILEDMPVDPDNEAYEMPSEEGYQDYEPEA

**Preparation:** After lysing of *E. coli* and centrifugation the supernatant was applied to

purification

Purification: Ni(II)-nitriloacetate agarose chromatography followed by ion-exchange

chromatography

Purity: > 95% by SDS-PAGE

**Solution:** 50 mM Tris-HCl

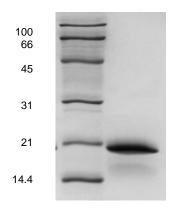
Storage: at -20 °C (repeated thawing and freezing should be avoided)

Application: 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





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