

?-Synuclein, Human, Recombinant, E.coli

Cat.NO.: TP04124

3th Edition

Synonyms: SNCG, BCSG1, PERSYN, PRSN, gamma-Synuclein, Persyn, Breast cancer-specific gene 1 protein, Synoretin, SR, gamma-synuclein, gamma synuclein, Synuclein, gamma (breast cancer-specific protein 1) BCSG 1, Breast cancer specific gene 1

Description: gamma-synuclein (Originally known as a breast cancer specific gene product, BCSG1) is an acidic neuronal protein of 127 amino acids. The protein coding region of gamma-synuclein was amplified by RT-PCR and cloned into an E.coli expression vector. gamma-synuclein was overexpressed in E. coli and purified to apparent homogeneity by taking advantage of the thermosolubility of the protein and by using conventional column chromatography techniques.

Form: Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 0.1 M NaCl

Molecular Weight: 13.3 kDa (127 aa), confirmed by MALDI-TOF. (Molecular weight on SDS-PAGE will appear higher)

Sequences:

MDVFKKGFSIAKEGVVGAVEKTKQGVTEAAEKTKEGVMYVGAKTKENVVQSVTSVAEKTKEQANAVSEAVVSSVN
TVATKTVEEAENIAVTSGVVRKEDLRPSAPQQEGVASKEKEEVAEEAQSGGD

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by BCA assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.