Recombinant Human SNCG

Cat. No. SNCG-134H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human γ-Synuclein produced in*E.Coli*is a single, non-glycosylated polypeptide chain. The γ-synuclein contains 127 amino acids and has a molecular mass of 13,300 Dalton. The γ-synuclein is purified by using conventional column chromatography techniques.
Species	Human
Source	E.coli
Description	The γ-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 γ-synuclein was amplified by RT-PCR and cloned into an E.coli expression vector.
Amino Acid Sequence	MDVFKKGFSI AKEGVVGAVE KTKQGVTEAA EKTKEGVMYV GAKTKENVVQ SVTSVAEKTK EQANAVSEAV VSSVNTVATK TVEEAENIAV TSGVVRKEDL RPSAPQQEGV ASKEKEEVAE EAQSGGD.
Physical Appearance	Sterile filtered clorless solution.
Formulation	The protein (1mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 0.1M NaCl and 1mM MgCl2.
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by reducing and non-reducing SDS-PAGE Coomassie.

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Stability	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Protein Content	Protein quantitation was carried out by two independent methods: 1. UV spectroscopy at 280 nm using the absorbency value of 1.4 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a standard solution of BMP-6 as a Reference Standard.
Storage	Lyophilized BMP 6 although stable at room temperature for 3 weeks, should be stored desiccated below-18℃. Upon reconstitution Bone Morphogenetic Protein 6 should be stored at 4℃ between 2-7 days and for future use below -18℃. Please prevent freeze-thaw cycles.

GENE INFORMATION

Gene Name	SNCG synuclein, gamma (breast cancer-specific protein 1) [Homo sapiens]
Synonyms	SNCG; synuclein, gamma (breast cancer-specific protein 1); SR; BCSG1; synoretin; Gamma-synuclein; Persyn; Breast cancer-specific gene 1 protein; PERSYN; PRSN; Synoretin; OTTHUMP00000020013; synuclein, gamma (breast cancer-specific gene 1); breast cancer-specific protein 1
Gene ID	6623
mRNA Refseq	NM_003087
Protein Refseq	NP_003078
MIM	602998

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UniProt ID	O76070
Chromosome Location	10q23.2-q23.3
Function	protein binding

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