

Recombinant Human ESYT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ESYT1-3671H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ESYT1 MS Standard C13 and N15-labeled recombinant protein (NP_056107) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	ESYT1 (Extended Synaptotagmin 1) is a Protein Coding gene. Diseases associated with ESYT1 include Stormorken Syndrome and Myopathy, Tubular Aggregate, 1. Among its related pathways are Sphingolipid metabolism and Metabolism. Gene Ontology (GO) annotations related to this gene include lipid binding and phospholipid binding. An important paralog of this gene is ESYT2.
Molecular Mass	122.9 kDa
AA Sequence	MERSPGEGPSPSPMDQPSAPSDPTDQPPAAHAKPDPGSGGQPAGPGAAGEALAV LTSFGRRLVLIPVYLAGAVGLSVGFVLFGLALYLGWRRVRDEKERSLRAARQLDD EEQLTAKTLYMSHRELPAWVSFPDVEKAEWLNKIVAQVWPFLGQYMEKLLAETVAP AVRGSNPHLQTFTRVELGEKPLRIIGVKVHPGQRKEQILLDLNISYVGDVQIDVEV KKYFCKAGVKGMQLHGVLRVILEPLIGDLFPVGAVSMFFIRPTLDINWTGMTNLLDI PGLSSLSDTMIMDSIAAFLVLPNRLLVPLVPDLQDVAQLRSPLPRGIIRIHLLAARGLSS KDKYVKGLIEGKSDPYALVRLGTQTFCSRVIDEELNPQWGETYEVVMHEVPGQEIEV EVFDKDPDKDDFLGRMKLDVGKVLQASVLDDWFPLQGGQGQVHLRLEWLSLLSDA

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EKLEQVLQWNWGVSSRPDPPSAAILVVYLDRAQDLPLKKGNKEPNPMVQLSIQDVT
 QESKAVYSTNCPVWEEAFRFFLQDPQSQELDVQVKDDSRALTGLALTPLARLLTA
 PELILDQWFQLSSSGPNSRLYMKLVMRILYLDSSSEICFPTVPGCPGAWDVDSNPQ
 RGSSVDAPPRPCHTTPDSQFGTEHVLRIHVLEAQDLIAKDRFLGGLVKGKSDPYVKL
 KLAGRSFRSHVVREDLNPRWNEVFVIVTSVPGQELEVVEFDKDLKDDFLGRCKV
 RLTTVLNSGFLDEWLTLEDVPSGRLHLRLRLTPRPTAAELEEVLQVNSLIQTQKSAE
 LAAALLSIYMERAE DLPLRKGTKHLSPYATLTVGDSSHKTKTISQTSAPVWDESASF
 IRKPHTESLELQVRGEGTGVLGSLSLPLSELLVADQLCLDRWFTLSSGQGQVLLRAQ
 LGILVSQHSGVEAHSHSYSHSSSSLSEPELSSGGPPHITSSAPELRQRLTHVDSPL
 APAGPLGQVKLTWYYSEERKLVSIVHGCRSLRQNGRDPPDPYVSLLLLPDKNRGT
 KRRTSQKKRTLSPEFNERFEWELPLDEAQRRLDVSVKSNSSFMSRERELLGKVQL
 DLAETDLSQGVARWYDLMDNKKDGSSTRTRPLEQKLISEEDLAANDILDYKDDDDK
 V

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [ESYT1 extended synaptotagmin-like protein 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [ESYT1](#)

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Synonyms	MBC2; FAM62A
Gene ID	23344
mRNA Refseq	NM_015292
Protein Refseq	NP_056107
MIM	616670
UniProt ID	Q9BSJ8
SDS-PAGE	