

Recombinant Human ESYT2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ESYT2-6169H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ESYT2 MS Standard C13 and N15-labeled recombinant protein (NP_065779) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	ESYT2 (Extended Synaptotagmin 2) is a Protein Coding gene. Diseases associated with ESYT2 include Short-Rib Thoracic Dysplasia 8 With Or Without Polydactyly. Among its related pathways are Sphingolipid metabolism and Metabolism. Gene Ontology (GO) annotations related to this gene include calcium ion binding and phosphatidylinositol binding. An important paralog of this gene is ESYT1.
Molecular Mass	98.7 kDa
AA Sequence	MTPPSRAEAGVRRSRVPSEGRWRGAEPGGISASTQPASAGRAARHCGAMSGARG EGPEAGAGGAGGRAAPENPGGVLSVELPGLLAQLARSFALLLPVYALGYLGLSFSW VLLALALLAWCRRSRGLKALRLCRALALLEDEERVVRLGVRACDLPAWVHFPDTER AEWLNKTVKHMWPFICQFIEKLFRETIEPAVRGANTHLSTFSFTKVDVGQQPLRING VKVYTENVDKRQIILDLQISFVGNCEIDLEIKRYFCRAGVKSIQIHGTMRVILEPLIGDM PLVGALSIFFLRKPLLEINWTGLTNLLDVPGLNGLSDTIILDIISNYLVLPNRITVPLVSEV QIAQLRFPVPKGVLRHIFIEAQLQGGKDTYLGKLVKGKSDPYGIIRVGNQIFQSRVIKE NLSPKWNEVYEALVYEHPGQELEIELFDEDPDKDDFLGSLMIDLIEVEKERLLDEWFT

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LDEVPKGKHLRLLEWLTMPNASNLDKVLTDIKADKDQANDGLSSALLILYLDSARNL
 PSGKKISSNPNPVVQMSVGHKAQESKIRYKTNEPVWEENFTFFIHNPKRQDLEVEV
 RDEQHQCPLGNLKVPLSQLLTSEDMTVSQRFQLGNSGPNSTIKMKIALRVLHLEKRE
 RPPDHQHSAAQVKRPSVSKEGRKTSIKSHMSGSPGPGGSNTAPSTPVIGGSDKPGM
 EEKAQPPEAGPQGLHDLGRSSSSLLASPGHISVKEPTPSIASDISLPIATQELRQRLR
 QLENGTTLGQSPLGQIQLTIRHSSQRNKLIVVVHACRNLIASFEDGSDPYVRMYLLPD
 KRRSGRRKTHVSKKTLNPVFDQSFDVSLPEVQRRRLDVAVKNSGGFLSKDKGLL
 GKVLVALASEELAKGWTQWYDLTEDGTRPQAMTTRTRPLEQKLISEEDLAANDILDY
 KDDDDKV

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 ESYT2 extended synaptotagmin-like protein 2 [Homo sapiens (human)]

Official Symbol ESYT2

Synonyms ESYT2; extended synaptotagmin-like protein 2; FAM62B, family with sequence similarity 62 (C2 domain containing), member B; extended synaptotagmin-2; CHR2SYT; KIAA1228; chr2 synaptotagmin; family with sequence similarity 62 (C2 domain containing), member B; E-Syt2; FAM62B;

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Gene ID	57488
mRNA Refseq	NM_020728
Protein Refseq	NP_065779
MIM	616691
UniProt ID	A0FGR8
SDS-PAGE	