

Recombinant Human SYT3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SYT3-1880H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SYT3 MS Standard C13 and N15-labeled recombinant protein (NP_115674) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Ca ²⁺ sensor involved in Ca ²⁺ -dependent exocytosis of secretory vesicles through Ca ²⁺ and phospholipid binding to the C2 domain. Ca ²⁺ induces binding of the C2-domains to phospholipid membranes and to assembled SNARE-complexes; both actions contribute to triggering exocytosis. Plays a role in dendrite formation by melanocytes.
Molecular Mass	63.3 kDa
AA Sequence	MSGDYEDDLCCRALLVSDLCARVRDADTNDRCQEFNDRIRGYPRGPDADISVSLLS VIVTFCGIVLLGVSLFVSWKLCWVPWRDKGGS AVGGG PLRKDLGPGVGLAGLVGG GGHHLAAGLGGHPLLGGPHHHAAHHPFAELLEPGSLGGSDTPEPSYLDMDSY PEAAAAVAAGVKPSQTSPELPSEGGAGSGLLLLPPSGGGLPSAQSHQQVTSLAPT TRYPALPRPLTQQTLTSQPDPSSEERPPALPLPLPGGEEKAKLIGQIKPELYQGTGP GGRRSGGGPGSGEAGTGAPCGRISFALRYLYGSDQLVVRILQAMDLPKDSNGFS DPYVKIYLLPDRKKKFQTKVHRKTLNPVFNETFQFSVPLAELAQRKLHFSVYDFDRF SRHDLIGQVVLDNLLELAEQPPDRPLWRDIVEGGSEKADLGELNFSLCYLPTAGRLT

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VTIIKASNLKAMDLTGFSDPYVKASLISEGRRLKKRKTSIKKNTLNPTYNEALVFDVAP
ESVENVGLSIAVVDYDCIGHNEVIGVCRVGPDAADPHGREHWAEMLANPRKPVEH
WHQLVEEKT VTSFTKGSKGLSEKENSETRTRPLEQKLISEEDLAANDILDYKDDDDK
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 SYT3 synaptotagmin III [Homo sapiens (human)]

Official Symbol SYT3

Synonyms SYT3; synaptotagmin 3; SytIII; synaptotagmin-3; synaptotagmin III

Gene ID 84258

mRNA Refseq NM_032298

Protein Refseq NP_115674

MIM 600327

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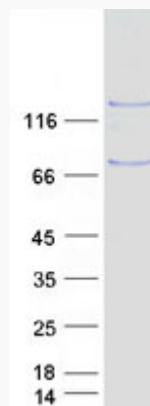
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UniProt ID

Q9BQG1

SDS-PAGE

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