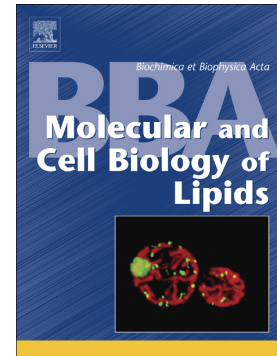


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Identification and characterization of the mitochondrial membrane sorting signals in phosphatidylserine decarboxylase 1 from *Saccharomyces cerevisiae*

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Abbreviations:

CDP, cytidine diphosphate; CL, cardiolipin; DMPE, dimethylphosphatidylethanolamine; EDTA, ethylenediaminetetraacetic acid; ER, endoplasmic reticulum; Etn, ethanolamine; LP, lysophospholipids; IM1 and IM2, inner mitochondrial sorting signal 1 and 2; IMM, inner mitochondrial membrane; MMGal –ura, minimal galactose media without uracil; MMGlu –ura, minimal glucose media without uracil; MPP, mitochondrial processing peptidase; MT, mitochondrial targeting sequence; OMM, outer mitochondrial membrane; MPP, mitochondrial processing peptidase; Oct1p, octapeptidyl aminopeptidase; PA, phosphatidic acid; PC, phosphatidylcholine; PE, phosphatidylethanolamine; PI, phosphatidylinositol; PMSF, phenylmethylsulfonyl fluoride; PS, phosphatidylserine; Psd1, phosphatidylserine decarboxylase 1; Psd2, phosphatidylserine decarboxylase 2; Psd1 β , phosphatidylserine decarboxylase 1 β -subunit; SRS, predicted substrate recognition site; TCA, trichloroacetic acid; TIM, translocase of the inner mitochondrial membrane; TLC, thin layer chromatography; TOM, translocase of the outer mitochondrial membrane; YPD, complex glucose media

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