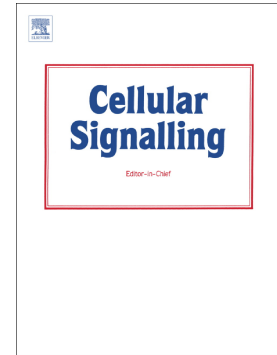


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Nucleo-cytoplasmic¹ transport of estrogen receptor alpha in breast cancer cells

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¹ **Abbreviations:** BC, Breast cancer; CRM-1, chromosome region maintenance 1; DBD, DNA-binding domain; E2, 17-beta-estradiol; EGF, epidermal growth factor; ER, estrogen receptor alpha; Ful, fulvestrant; GFP-ER, ER tagged with green fluorescent protein; HSP70, heat shock protein 70; HSP90, heat shock protein 90; IGF1, insulin-like growth factor 1; LBD, ligand-binding domain; LMB, leptomycin B; NES, nuclear export sequence; NLS, nuclear localization sequence; NPC, nuclear pore complex; PTPH1, protein-tyrosine phosphatase H1; SERD, selective estrogen receptor downregulator; SERM, selective estrogen receptor modulator; Tam, tamoxifen; UPS, ubiquitin protease system; ERE, Estrogen Responsive Element; HAT, Histone Acetyltransferase; HDAC, Histone Deacetylases; GPR30/GPER, G-protein-couple Estrogen Receptor; NUPs, Nucleoporins; DLC1, Dynein Light Chain 1; PI3K, Phosphatidylinositol 3-kinase; E6AP, E6-associated Protein; CHC, Clathrin-heavy-chain; HER2, Epidermal Receptor Growth Factor 2; RB, Retinoblastoma; MNAR, Modulator of Non-genomic Actions of the Estrogen Receptor.

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