

RPES8132

Product Information

Product SKU:	RPES8132	Expression Host:	E.coli	Size:	20µg
Tag:	N-Sumo	Reactivity:	Human	Accession:	P27824-1

Additional Information

Calculated MW:	42.9 kDa	Observed MW:	45 kDa
Sequence:	Met1-Ser273		

Protein Information

Background: Calnexin is a calcium-binding protein that belongs to the calreticulin family. It interacts with newly synthesized glycoproteins in the endoplasmic reticulum. Calnexin seems to play a major role in the quality control apparatus of the ER by the retention of incorrectly folded proteins. It may act in assisting protein assembly and/or in the retention within the ER of unassembled protein subunits. Associated with partial T-cell antigen receptor complexes that escape the ER of immature thymocytes, it may function as a signaling complex regulating thymocyte maturation. Additionally it may play a role in receptor-mediated endocytosis at the synapse.

Synonyms: -

Endotoxin: < 10 EU/mg of the protein as determined by the LAL method

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

Purity: > 90% as determined by reducing SDS-PAGE.

Bio-Activity: Not validated for activity

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.