

RPES8009

Product Information

Product SKU:	RPES8009	Expression Host:	E.coli	Size:	20µg
Tag:	N-Sumo	Reactivity:	Human	Accession:	P49675

Additional Information

Calculated MW:	44.2 kDa	Observed MW:	45-50 kDa
Sequence:	Met1-Cys285		

Protein Information

Background:	The protein encoded by this gene plays a key role in the acute regulation of steroid hormone synthesis by enhancing the conversion of cholesterol into pregnenolone. This protein permits the cleavage of cholesterol into pregnenolone by mediating the transport of cholesterol from the outer mitochondrial membrane to the inner mitochondrial membrane. Mutations in this gene are a cause of congenital lipid adrenal hyperplasia (CLAH), also called lipid CAH. A pseudogene of this gene is located on chromosome 13.
Synonyms:	Cholesterol trafficker, Luteinizing hormone induced protein, mitochondrial, Mitochondrial steroid acute regulatory protein, StAR, StAR related lipid transfer (START) domain containing 1, STAR, StARD1, START domain containing 1, START domain containing protein 1, START domain-containing protein 1, Steroid acute regulatory protein, Steroidogenic acute regulator, Steroidogenic acute regulatory protein, Steroidogenic acute regulatory protein mitochondrial
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.