

RPES8255

Product Information

Product SKU:	RPES8255	Expression Host:	Mammalian	Size:	20µg
Tag:	C-His	Reactivity:	Human	Accession:	P36222

Additional Information

Calculated MW:	42 kDa	Observed MW:	42 kDa
Sequence:	Met1-Val383		

Protein Information

Background: Chitinases catalyze the hydrolysis of chitin, which is an abundant glycopolymer found in insect exoskeletons and fungal cell walls. The glycoside hydrolase 18 family of chitinases includes eight Human family members. This gene encodes a glycoprotein member of the glycosyl hydrolase 18 family. The protein lacks chitinase activity and is secreted by activated macrophages, chondrocytes, neutrophils and synovial cells. The protein is thought to play a role in the process of inflammation and tissue remodeling.

Synonyms: 39 kDa synovial protein, ASRT7, Cartilage glycoprotein 39, CGP-39, CGP39, CH3L1, CHI3L1, chitinase 3 like 1 (cartilage glycoprotein 39), chitinase 3 like 1, Chitinase 3 like protein 1 precursor, chitinase, Chitinase-3-like protein 1, Chondrocyte protein YKL40, GP 39, GP-39, GP39, HC gp39, HCGP 3P, hCGP-39, HCgp39, YKL 40, YKL-40, YKL40, YYL 40

Endotoxin: < 1.0 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.

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