

RPES8064

Product Information

Product SKU:	RPES8064	Expression Host:	E.coli	Size:	20µg
Tag:	N-Sumo	Reactivity:	Human	Accession:	P47929

Additional Information

Calculated MW:	30.8 kDa	Observed MW:	43 kDa
Sequence:	Ser2-Phe136		

Protein Information

Background: LGALS7, also known as Galectin-7, is a member of the galectins family. The galectins are a family of beta-galactoside-binding proteins. There are at least 14 identified members of this family. Galectins share similarities in the CRD (the carbohydrate recognition domain). They are synthesized as cytosolic proteins. Though localized principally in the cytoplasm and lacking a classical signal peptide, galectins can also be stimulated to secretion by non-classical pathways or targeted to the nucleus. Galectins are implicated in modulating cell-cell and cell-matrix interactions. LGALS7 contains 1 galectin domain and is mainly expressed in stratified squamous epithelium. Galectin-7 could be involved in cell-cell and/or cell-matrix interactions necessary for normal growth control. LGALS7 is a pro-apoptotic protein that functions intracellularly upstream of JNK activation and cytochrome c release.

Synonyms: Gal-7, GAL7, Galectin 7B, Galectin-7, HKL-14, Human keratinocyte lectin 14, Keratinocyte lectin 14, Lectin galactoside binding soluble 7, Lectin, galactoside binding, soluble, 7B, LEG7, LGALS7, LGALS7A, LGALS7B, P53 induced protein 1, p53-induced gene 1 protein, Pi7, PIG1, TP53I1

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.