

RPES8263

Product Information

Product SKU:	RPES8263	Expression Host:	Mammalian	Size:	20µg
Tag:	C-His	Reactivity:	Human	Accession:	O60603

Additional Information

Calculated MW:	62.5 kDa	Observed MW:	70-80 kDa
Sequence:	Glu21-Leu590		

Protein Information

Background:	The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This gene is expressed most abundantly in peripheral blood leukocytes, and mediates host response to Gram-positive bacteria and yeast via stimulation of NF-kappaB.
Synonyms:	CD282, CD282 antigen, TIL 4, TIL4, TLR 2, TLR2, TLR2, Toll like receptor 2, Toll like receptor 2 precursor, Toll-like receptor 2, Toll/interleukin 1 receptor like 4, Toll/interleukin 1 receptor like protein 4, Toll/interleukin receptor like protein 4, Toll/interleukin-1 receptor-like protein 4
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

Contact Details | Dublin, Ireland

Email: techsupport@assaygenie.com | **Web:** www.assaygenie.com

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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.