

32-17455: Recombinant human TLR3 protein with C-terminal mouse Fc tag

Alternative Name : CD283; IIAE2

Description

Expression Host : HEK293

The protein has a predicted molecular mass of 122 kDa after removal of the signal peptide.

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 receptor is most abundantly expressed in placenta and pancreas, and is restricted to the dendritic subpopulation of the leukocytes. It recognizes dsRNA associated with viral infection, and induces the activation of NF-kappaB and the production of type I interferons. It may thus play a role in host defense against viruses. Use of alternative polyadenylation sites to generate different length transcripts has been noted for this gene.

Product Info

Amount :	100 µg
Purification :	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Content :	50µg in 200µl sterile PBS, 10% Glycerol
Storage condition :	Store at -80°C for 12 months (Avoid repeated freezing and thawing)

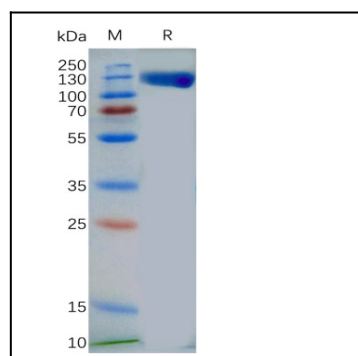


Figure 1: Human TLR3 with mFc tag ran on SDS page under reducing condition.