Recombinant Escherichia coli O157:H7 TIR Protein (252-362 aa), His-SUMO-tagged

Cat. No. TIR-1909E **Lot. No.** (See product label)

SPECIFICATION

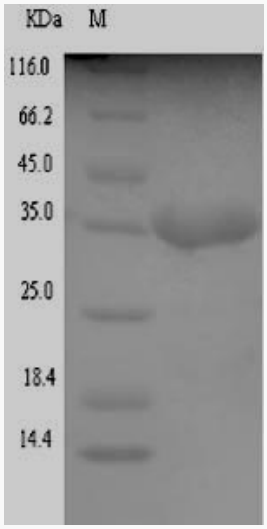
Product Overview	Recombinant Escherichia coli O157:H7 (strain TW14359/EHEC) TIR Protein (252-362 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Partial.
Species	E.coli
Source	E.coli
ProteinLength	252-362 aa
Description	Multifunctional protein that is required for efficient pedestal formation in host epithelial cells during infection. The Extracellular domain region acts as a receptor for bacterial intimin, allowing the bacterium to attach tightly to the host-cell surface. Simultaneously, the intracellular region initiates a signaling cascade in the host cell, which leads to actin polymerization and formation of actin pedestals at the sites of bacterial adhesion.
Form	Tris-based buffer,50% glycerol
Molecular Mass	27.8 kDa
AA Sequence	QALALTPEPDSPTTTDPDAAASATETATRDQLTKEAFQNPDNQKVNIDELGNAIPSG VLKDDVVANIEEQAKAAGEEAKQQAIENNAQAQKKYDEQQAKRQEELKVSSGAG

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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Synonyms	tir; Secreted effector protein Tir;
UniProt ID	C6UYL8



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	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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