

Recombinant Escherichia coli O127:H6 TIG Protein (1-432 aa), His-SUMO-tagged

Cat. No. TIG-1781E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli O127:H6 (strain E2348/69/EPEC) TIG Protein (1-432 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.
Species	E.coli
Source	E.coli
ProteinLength	1-432 aa
Description	Involved in protein export. Acts as a chaperone by maintaining the newly synthesized protein in an open conformation. Functions as a peptidyl-prolyl cis-trans isomerase.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	64.2 kDa
AA Sequence	MQVSVETTQGLGRRVTITIAADSIETAVKSELVNVAKKVRIDGFRKGKVP MNIVAQRY GASVRQDVLGDLMSRNFIDAIKEKINPAGAPTYVPGEYKLGEDFTYSVEFEVYPEVE LQGLEAIEVEKPIVEVTDADVDGMLDTRLKQQATWKEKDGAVEAEDRVTIDFTGSVD GEEFEGGKASDFVLAMGQGRMIPGFEDGIKGHKAGEEFTIDVTFPEEYHAENLK GK AAKFAINLKKVEERELPELTAEFIKRFGVEDGSVEGLRAEVRKNMERELKSAIRNRVK SQAIEGLVKANDIDVPAALIDSEIDVLRQAAQRFGGNEKQALELPRELFEEQAKRRV VVGLLLGEVIRTNELKADEERVKGLIEEMASAYEDPKEVIEFYSKNKLMDNMRNVAL

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EEQAVEAVLAKAKVTEKETTFNELMNQQA

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

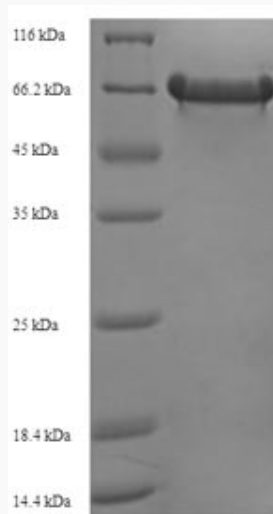
Synonyms tig; PPlase;

UniProt ID [B7UJQ9](#)

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

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