

Recombinant Escherichia coli TRAY Protein (1-20 aa), His-SUMO-tagged

Cat. No. TRAY-2562E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli TRAY Protein (1-20 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	1-20 aa
Description	Conjugative DNA transfer (CDT) is the unidirectional transfer of ssDNA plasmid from a donor to a recipient cell. It is the central mechanism by which antibiotic resistance and virulence factors are propagated in bacterial populations. Part of the relaxosome, which facilitates a site- and strand-specific cut in the origin of transfer by Tral, at the nic site. Relaxosome formation requires binding of IHF and TraY to the oriT region, which then facilitates binding of Tral. Also positively regulates tra gene expression.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	18.2 kDa
AA Sequence	MKEPKSNIRKLIDIGGLIGR
Purity	> 85% as determined by SDS-PAGE.

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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 will be sent along with the products. Please refer to it for detailed information.

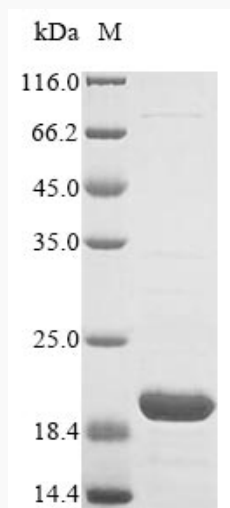
GENE INFORMATION

Gene Name	traY conjugal transfer relaxosome protein TraY [Escherichia coli]
Official Symbol	TRAY
Synonyms	traY;
Gene ID	39536346
UniProt ID	P33789

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

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