PRODUCT INFORMATION

TRAIL (TNF-related apoptosis-inducing ligand), Human

Catalog number	C01059-5UG / C01059-20UG / C01059-100UG
Package	5 μg / 20 μg / 100 μg
Description	TRAIL acts as a cytotoxic protein, through activating rapid apoptosis in tumor cells (not in normal cells). TRAIL conducts apoptosis through binding to DR4 and DR5, which are two death-signaling receptors belonging to the TNFR superfamily of transmembrane proteins. These receptor contain a cytoplasmic "death domain", which can initiate the cell's apoptotic process.
Source	*Escherichia coli*
Sequence	MRERGPQRVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGHSFLSN LHLRNGELVIHEKGFYYIYSQTYFRFQEEIKENTKNDKQMVQYIYKYTSYPDPILL MKSARNSCWSKDAEYGLYSIYQGGIFELKENDRIFVSVTNEHLIDMDHEASFFG AFLVG with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 μg of the protein by the LAL method.
Activity	Measure by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED_{50} for this effect is 10.4-15.4 ng/mL.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.

SDS-PAGE analysis of recombinant human TRAIL

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