

Multiple Tag Cell Lysate (Cat. No. M0100)

Size: 200 µg of whole *E. coli* cell lysate (lyophilized).

Reconstitution: Add 200 µl of ddH₂O to make the final concentration of 1 µg/µl in 1X SDS Loading Buffer. 0.02-0.5 µl of the lysate is recommended for each lane of a minigel (for accurate loading, dilute with 1X SDS Loading Buffer).

Description: Multiple Tag Cell Lysate is whole *E. coli* cell lysate containing about 30% of a specially designed fusion protein as a positive control for Western blot or Dot blot. The fusion protein is a 52 kD protein containing 16 commonly used tags in the order as shown in the table.

Tag	Sequence
Trx	
T7	CMASMTGGQQMG
HSV	QPELAPEDPEDC
C-Myc	EQKLISEEDLC
VSV-g	YTDIEMNRLGK
Glu-Glu	CEEEYMPME
V5	GKPIPPLLGLDST
E-tag	GAPVPYDPLEPR
FLAG	DYKDDDDK
S-tag	KETAAAKFERQHMDS
HA	YPYDVPDYAC
KT3	KPPTPPPEPET
E2	GVSSTSSDFRDR
AU1	DTYRYI
AU5	TDFYLK
6x His	HHHHHH

Storage: Store at -20°C or below. After reconstitution, aliquot and store at -20°C or below.

Example: The Multiple Tag Cell Lysate was loaded on a SDS gel and the 52 kD fusion protein was detected using GenScript One-Step™ His-Tag Western Kit (L00212), the results were shown in the figure to the right.

