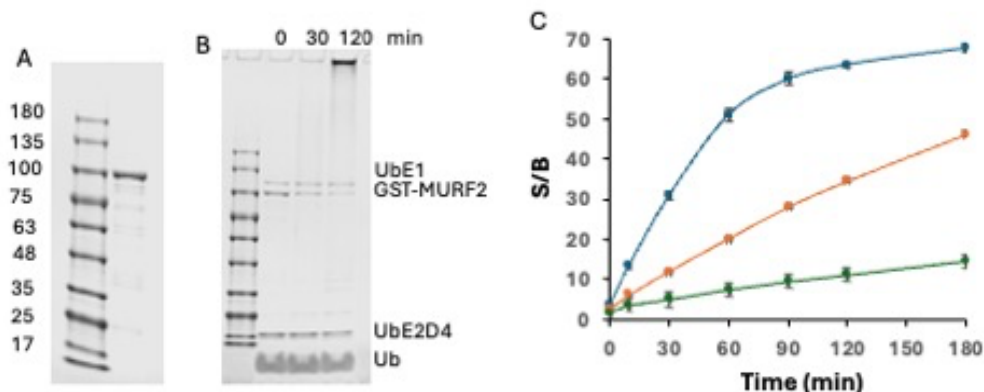


GST-MURF2

Cat. # K2010

Also Known as:	RNF29, TRIM55, Muscle-specific RING finger protein 2, MuRF2
UniProt Accession:	Q9BYV6
MW:	86.6 kDa with GST.
Species:	Human
Source:	Bacterial recombinant
Tag:	N-Terminal GST
Stock Buffer:	20 mM Tris, pH7.6 at 4 °C, 150 mM NaCl, 2 mM β ME, 10% glycerol, 0.01% Tween-20
Concentration:	See tube label
Quality Assurance:	~75% purity based on SDS-PAGE; validated E3 Ub ligase activity.

Image



- A. 3 μ g GST-MURF2 separated in an 8-16% Tris-glycine gel (Coomassie-stained).
 B. GST-MURF2 autoubiquitination. The reaction contained 50 nM UbE1, 1 μ M UbE2D4, 0.5 μ M GST-MURF2, and 50 μ M ubiquitin. Proteins were separated in an 8-16% Tris-glycine gel, visualized by Coomassie-staining.
 C. GST-MURF2 autoubiquitination detected by RELAY^{TR} FRET assay (see product # T4100). Blue/orange/green lines represent results with 25 nM, 12.5 nM and 6.25 nM GST-MURF2, respectively.

Description: MURF2, also known as TRIM55 (Tripartite motif-containing protein 55), functions as a striated muscle-specific RING-type E3 ubiquitin ligase. It acts as a critical signaling molecule and cytoskeletal adaptor involved in cardiac and skeletal muscle development, sarcomere assembly, and protein turnover.

Storage: Store at -80°C; avoid multiple freeze-thaw cycles.

Literature: 1. McElhinny A. S, *et al*. (2004) J cell Sci. 117, 3175-88