

## 12 Epitope GST Tag Protein Marker Lysate - MB-302-0100

**Code:** MB-302-0100

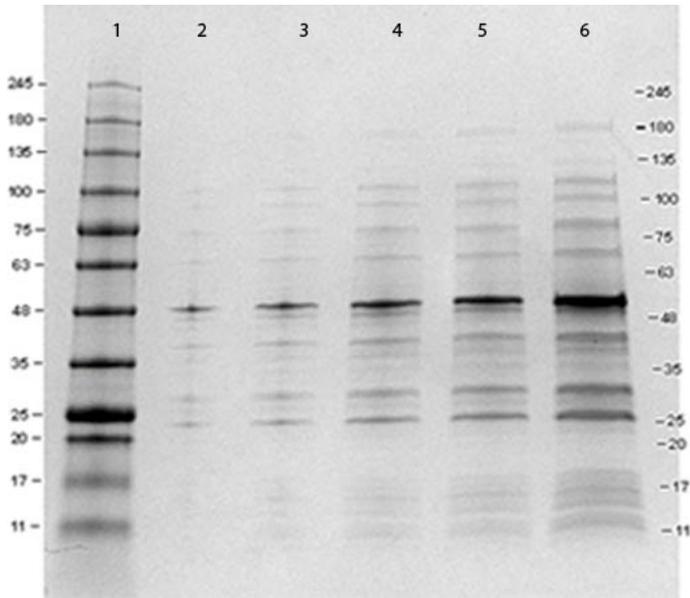
**Size:** 100 µL

**Product Description:** 12 Epitope GST Tag Protein Marker Lysate - MB-302-0100

**Concentration:** 5 mg/ ml by modified Lowry assay

**PhysicalState:** Liquid (in 1x Loading Buffer)

<b>Label</b>	Unconjugated
<b>Buffer</b>	See application note.
<b>Stabilizer</b>	None
<b>Storage Condition</b>	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing.
<b>Synonyms</b>	Flag-tag marker, GST-tag marker, HA-tag marker, 6XHIS-tag marker, T7-tag marker, cMyc-tag marker, V5-tag marker, S-tag marker, HSV-tag marker, VSV-tag marker, Glu-Glu-tag marker, E-tag marker, Lysate marker, Protein Marker, Loading control, epitope tag marker, positive control marker
<b>Application Note</b>	This E.coli lysate contains a recombinant protein comprised of the following commonly used epitope tags: GST--T7--HSV--cMyc--VSV--Glu-Glu--V5--E-tag--Flag--S tag--HA--6XHis. A 48 kDa recombinant protein is visualized after SDS-polyacrylamide gel electrophoresis and western blotting using an antibody recognizing any of the expressed epitope tags listed above. Thaw the lysate to room temperature. Gently invert vial several times to ensure that the solution is homogeneous and that any precipitated material is re-dissolved. A loading volume of 0.25 to 2 µL is recommended for western blotting. This product is diluted in 1X SDS-PAGE Sample Buffer (62.5 mM Tris HCL, 2% SDS, 10% Glycerol and 0.005% Bromophenol Blue, pH 6.8).
<b>Background</b>	This product is intended as a positive control for use with anti-epitope tag antibodies. Epitope tags are short peptide sequences easily recognized by tag-specific antibodies. Due to their small size, epitope tags do not affect the tagged protein's biochemical properties. Most often sequences encoding the epitope tag are included with target DNA at the time of cloning to produce fusion proteins. This allows anti-epitope tag antibodies to serve as universal detection reagents for any tag containing protein produced by recombinant means.
<b>Purity And Specificity</b>	The E.coli lysate was prepared by lysing cells in loading buffer/RIPA/Halt protease, then heating to 95° C for 10' followed by centrifugation at 13,000 g for 15'. Lysate expresses 12 different epitope tags.
<b>Western Blot</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Related Products</b>	
200-341-382	Anti-6X HIS EPITOPE TAG (MOUSE) Monoclonal Antibody DyLight™ 488 Conjugated - 200-341-382
200-341-383	Antibody for the detection of FLAG™ conjugated proteins (MOUSE) Monoclonal Antibody DyLight™ 488 Conjugated - 200-341-383
200-343-200	Anti-GST (MOUSE) Monoclonal Antibody DyLight™ 649 Conjugated - 200-343-200
600-441-381	Anti-MYC EPITOPE TAG (RABBIT) Antibody DyLight™ 488 Conjugated - 600-441-381
<b>Images</b>	
1	SDS-Page of 12 Epitope GST Tag Protein Lysate.Lane 1: Opal Molecular Weight MB-210-0500.Lane 2: 0.5µg lysate.Lane 3: 1.0µg lysate.Lane 4: 2.0µg lysate.Lane 5: 3.0µg lysate.Lane 6: 5.0µg lysate.



### Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

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