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## GST pull down assay

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**We use this protocol and it's working**

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## Abstract

GST pull down assay



- 1 Mix the GST tagged protein and fluorescent protein with 30  $\mu$ l Glutathione Sepharose beads (Cytiva) at final 1  $\mu$ M concentration in the buffer of 25 mM HEPES at pH 7.5, 150 mM NaCl, 1 mM MgCl<sub>2</sub> and 1 mM TCEP. The total volume is 200  $\mu$ l.
- 2 Rocking at  4 °C  Overnight
- 3 Wash the beads four times, then eluted in 50  $\mu$ l of buffer with 25 mM glutathione
- 4 Mix 18  $\mu$ l eluent in lithium dodecylsulfate (LDS)/BME buffer and subjected to SDS/PAGE gel without heating samples. The gel was scanned at 488 or 550 nm in ChemiDoc MP imaging system (Bio-Rad).