

Recombinant E. coli MUG Protein

Catalog #	Source	Reactivity	Applications
CRP1982	E. coli	E. coli	E, WB, SDS-PAGE, MS
Description	Recombinant E. coli MUG Protein is produced by our E.coli expression system and the target gene encoding Met1-Arg168 is expressed with a 6His tag at the C-terminus.		
Form	Supplied as a 0.2 µM filtered solution of 20mM Tris-HCl, 2.5mM β-ME, 1mM PMSF, 50% Glycerol, pH 8.0.		
Gene Symbol	MUG		
Alternative Names	ygfJ; G/U mismatch-specific DNA glycosylase; Double-strand-specific uracil glycosylase; Mismatch-specific uracil DNA-glycosylase; MUG		
Entrez Gene	947560 (E. coli)		
SwissProt	P0A9H1 (E. coli)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	MVEDILAPGL RVVFCGINPG LSSAGTGFPF AHPANRFWKV IYQAGFTDRQ LKPQEAQHLL DYRCGVTKLV DRPTVQANEV SKQELHAGGR KLIKIEDYQ PQALAILGKQ AYEQGFSQRG AQWGWKQTLTI GSTQIWVLPN PSGLSRVSLE KLVEAYRELD QALVVRGRLE HHHHHH		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
Storage/Stability	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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