

Product Data Sheet

Recombinant Human MGMT Protein

| Catalog # | Source | Reactivity | Applications |
|---------------------------|---|------------|---------------------|
| CRP1957 | E. coli | Human | E, WB, SDS-PAGE, MS |
| Description | Recombinant Human MGMT Protein is produced by our E. coli expression system and the target gene encoding Met1-Asn207 is expressed with a 6His tag at the N-terminus. | | |
| Form | Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 1mM EDTA, pH 8.0. | | |
| Gene Symbol | MGMT | | |
| Alternative Names | Methylated-DNA--protein-cysteine methyltransferase; 6-O-methylguanine-DNA methyltransferase; MGMT; O-6-methylguanine-DNA-alkyltransferase | | |
| Entrez Gene | 4255 (Human) | | |
| SwissProt | P16455 (Human) | | |
| Purity | Greater than 95% as determined by reducing SDS-PAGE. | | |
| Chemical Structure | MGSSHHHHHH SSGLVPRGSH MDKDCMKRT TLDSP LGKLE LSGCEQGLHE IKLLGKG TSA ADAVEVPAPA AVLGGPEPLM QCTAWLNAYF HQPEAIEEFP VPALHHPVFQ QESFTRQVLW KLLKVVKFGE VISYQQLAAL AGNPKAARAV GGAMRGNPVP ILIPCHRVVC SSGAVGNYSG GLAVKEWLLA HEGHRLGKPG LGGSSGLAGA WLKGAGATSG SPPAGRN | | |
| 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. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. | | |
| Storage/Stability | Store it at -20°C to -80°C for one year. | | |

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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