

Recombinant Human MSH5 protein, His-tagged

Cat. No. MSH5-3844H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MSH5 protein(635-835 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	635-835 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	IHSCESISLGLSTFMIDLNQQVAKAVNNATAQSLVLIDFEGKGTNTVDGLALLAAVLRH WLARGPTCPHIFVATNFLSLVQLQLLPQGPLVQYLTMETCEDGNDLVFFYQVCEGV AKASHASHTAAQAGLPDKLVARGKEVSDLIRSGKPIKPVKDLLKKNQMENCQTLVDK FMKLDLEDPNLDLNVFMSQEVLPAAATSIL
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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Reconstitution Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name	MSH5 mutS homolog 5 (E. coli) [Homo sapiens]
Official Symbol	MSH5
Synonyms	MSH5; mutS homolog 5 (E. coli); mutS (E. coli) homolog 5; mutS protein homolog 5; G7; NG23; MUTSH5; MGC2939; DKFZp434C1615;
Gene ID	4439
mRNA Refseq	NM_002441
Protein Refseq	NP_002432
MIM	603382
UniProt ID	O43196

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