

Recombinant Human MSH3

Catalog No: #GP10608

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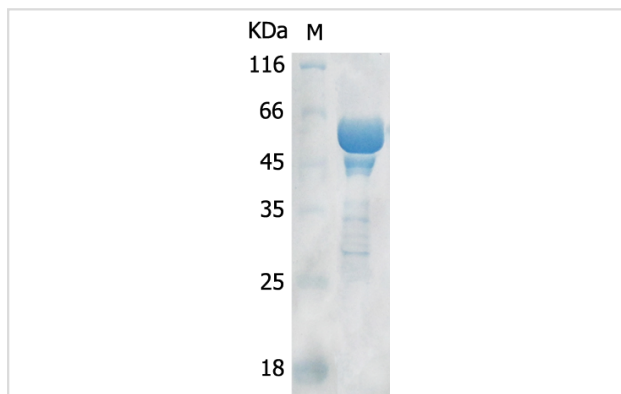
Description

Product Name	Recombinant Human MSH3
Brief Description	Recombinant Protein
Purification	>85%, as determined by Coomassie blue stained SDS-PAGE
Immunogen Description	Fusion protein corresponding to a C terminal 300 amino acids of human mutS homolog 3 (E. coli)
Target Name	mutS homolog 3
Other Names	DUP; FAP4; MRP1
Accession No.	Swissprot:P20585Gene Accession:BC130436
Uniprot	P20585
GeneID	4437;
Calculated MW	Predicted molecular weight:59 kDa
Tag Info	His tag C-Terminus, GST tag N-Terminus
Concentration	1 mg/ml
Storage	-20°C ~ -80°C, Liquid: pH 7.4 PBS. Avoid repeated freeze-thaw cycles.

Application Details

Expression system: Escherichia coli

Images



Gel: 8%SDS-PAGE lysate: 10 ug Purified MSH3 Recombinant Protein was analyzed by SDS-PAGE gel and Coomassie Blue Staining

Product Description

Fusion protein corresponding to a region derived from 838-1137 amino acids of human MSH3

Background

The protein encoded by this gene forms a heterodimer with MSH2 to form MutS beta, part of the post-replicative DNA mismatch repair system. MutS beta initiates mismatch repair by binding to a mismatch and then forming a complex with MutL alpha heterodimer. This gene contains a polymorphic 9 bp tandem repeat sequence in the first exon. The repeat is present 6 times in the reference genome sequence and 3-7 repeats have been reported. Defects in this gene are a cause of susceptibility to endometrial cancer.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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