

---

## Product Datasheet

### Yeast mutS protein (orb246846)

**Description**

Recombinant Aquifex aeolicus DNA mismatch repair protein MutS

**Endotoxins**

Not test.

**Preservatives**

If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

**Form/Appearance**

Liquid or Lyophilized powder

**Storage**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.

**Tag**

N-terminal 6xHis-tagged

**Note**

For research use only

**Application notes**

This is His-tag protein

**Protein Sequence**

```
MEKSEKELTPMLSQYHYFKNQYPDCLLLFRLGDFYELFYEDAYIGSKELGLVLTSR
PAGKGERIPMCGVPYHSANSYIAKLVNKGKVAICEQVEDPSKAKGIVKREVVV
VITPGTFFFERDTGGLASLYKKGNHYVGYLNLAVGEFLGAKVKIEELDLLSKLNIK
EILVKKGEKLPPELEKVLKVYVSELEEEFFEEGSEEILKDFGVLSLQAFGFEEETYS
LPLGAVYKYAKTTQKGYTPLIPRPKPYRDEGFVRLDIKAIKGLEILESLEGRKDISLF
KVIDRTLTMGRRRLKFRLLSPFRSREKIERIQEGVQELKENREALLKIRQILEGMA
DLERLVSKISSNMATPRELVYLNKSLKVEELRLLLLLELKAPIFKEILQNFEDTKKIIN
DIEKTLVEDPPLHVKEGLIREGVNAYLDELRFIRDNAETYLREYEKCLRQETGIQ
SLKIGYNKVMGYIEVTKPNLKYPVPSYFRRRQTLNSERFTTEELQRLEEKILSAQT
RINDLEYELYKELRERVVKELDKVGNNASAVA EVDFIQSLAQIAYEKDWAKPQIH
EGYELIIEGRHPVIEEFVENYVPNDTKLDRDSFIHVITGPNMAGKSSYIRQVGVL
LLSHIGSFIPARRAKIPVVDALFTRIGSGDVLALGVSTFMNEMLEVSNILNNA TEKS
LVILDEVGRGTSTYDGAISKAIVKYISEKAKAKTLLATHFLEITELEGKIEGVKNYH
MEVEKTPEGIRFLYILKEGKAEGSFGIEVAKLAGLPEEVVEEARKILRELEEKENKK
EDIVPLLEETFKKSEEAQRLEEYEEIHKIEEIDIGNTTLPQALLILAE LKKKCSFSKKE
SGA
```

**Purity**

Greater than 90% as determined by SDS-PAGE.

**Source**

Yeast

**MW**

100.4 kDa

**Uniprot ID**
[O66652](#)
**Expiration Date**

6 months from date of receipt.