

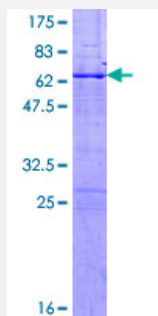
Full-Length

MPG (Human) Recombinant Protein (P01)

Catalog # H00004350-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MPG full-length ORF (NP_001015052.1, 1 a.a. - 293 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPARSGAQFCRRMGQKKQRPARAGQPHSSSDAAQAPAEQPHSSSDAAQAPCPRERCLGPPT
TPGPYRSIYFSSPKGHLTRLGLEFFDQPAVPLARAFLGQVLVRRLPNGTELGRIVETEAYLGPED
EAAHSRGGRTQPRNRGMFMKPGTLYVYIYGYFCMNISSQGDGACVLLRALEPLEGLETMRQLR
STLRKGTASRVLKDRELCSGPSKLCQALAINKSFDQRDLAQDEAVWLERGPLEPSEPAVVAAAR
VGVGHAGEWARKPLRFYVRGSPWVSVDRAEQDTQA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

58.6

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MPG

Entrez GeneID	4350
GeneBank Accession#	NM_001015052.1
Protein Accession#	NP_001015052.1
Gene Name	MPG
Gene Alias	AAG, APNG, CRA36.1, MDG, Mid1, PIG11, PIG16, anpg
Gene Description	N-methylpurine-DNA glycosylase
Omim ID	156565
Gene Ontology	Hyperlink
Gene Summary	localized 68 kb upstream the humanzeta globin gene on 16p CRA36.1 (3-methyl-adenine DNA glycosylase) N-methylpurine-DNA glycosylase
Other Designations	3' end of the Mid1 gene, localized 68 kb upstream the humanzeta globin gene on 16p CRA36.1 (3-methyl-adenine DNA glycosylase) N-methylpurine-DNA glycosylase, MPG alkyladenine DNA glycosylase proliferation-inducing protein 11 proliferation-inducing protein

Pathway

- [Base excision repair](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)