

Major Basic Protein Recombinant Protein | MBP recombinant protein

Recombinant Major Basic Protein (MBP)

CATALOG # AAA150232	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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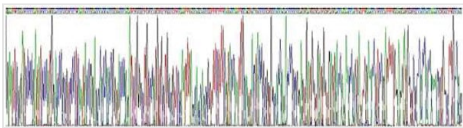
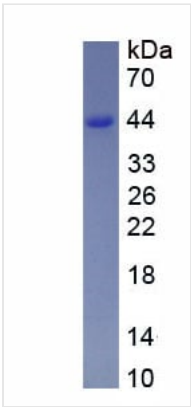
PRODUCT SYNONYMS

Major Basic Protein; Recombinant Major Basic Protein (MBP); PRG2; BMPG; Proteoglycan 2; Bone Marrow; Natural Killer Cell Activator; Eosinophil Granule Major Basic Protein; Pregnancy-associated major basic; MBP recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90%
Form/Format	Freeze-dried powder; 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% Sarcosyl, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for MBP recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Gln105~Tyr222
Tags	N-terminal His and GST Tag
Subcellular Location	Secreted
Predicted isoelectric point	11.4
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Gene Sequence
Gene Sequencing (extract)

SDS-PAGE

QTCRYL LVRSLOTFSS AWFTCRRCYR GNLVSIHNFN INYRIQCSVS
ALNQGQVWIG GRITGSGRCR RFQWVDGSRW NFAYWAAHQP WSRGHCVAL
CTRGGHWRRA HCLRRLLPFIC SY

Sequence

ADDITIONAL INFORMATION

Product Categories/Family for MBP recombinant protein	Infection immunity; Rheumatology; Dermatology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	281185479
NCBI GeneID	5553
UniProt Accession #	P13727
Molecular Weight	Predicted Molecular Mass: 43.9kDa Accurate Molecular Mass: 44kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	Bone marrow proteoglycan
NCBI Official Synonym Full Names	proteoglycan 2, pro eosinophil major basic protein
NCBI Official Symbol	PRG2
NCBI Official Synonym Symbols	MBP; BMPG; MBP1; proMBP
NCBI Protein Information	bone marrow proteoglycan
UniProt Protein Name	Bone marrow proteoglycan
UniProt Gene Name	PRG2
UniProt Synonym Gene Names	MBP; BMPG; EMBP; MBP
UniProt Entry Name	PRG2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.