Coud-Clone Corp.

EPA539Hu61 100ug Eukaryotic Myelin Basic Protein (MBP) Organism Species: Homo sapiens (Human) *Instruction manual* 

FOR IN VITRO USE AND RESEARCH USE ONLY NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

#### [PROPERTIES]

Source: Eukaryotic expression. Host: 293F cell **Residues:** Met1~Arg304 Tags: N-terminal His Tag Homology: Mouse 70%, rat 48% Tissue Specificity: Spleen. Subcellular Location: Cell membrane. Membrane. Nucleus. **Purity:** >95% **Endotoxin Level:** <1.0EU per 1µg (determined by the LAL method). **Traits:** Freeze-dried powder Buffer Formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5% Trehalose and Proclin300. Original Concentration: 200ug/mL Predicted isoelectric point: 9.8 Predicted Molecular Mass: 34.7kDa Accurate Molecular Mass: 46kDa as determined by SDS-PAGE reducing conditions. **Applications:** SDS-PAGE; WB; ELISA; IP; CoIP; EMSA; Reporter Assays; Purification; Amine Reactive Labeling. (May be suitable for use in other assays to be determined by the end user.)

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### [ <u>USAGE</u> ]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

#### [ STORAGE AND STABILITY ]

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.

### [SEQUENCE]

MGNHAGKREL NAEKASTNSE TNRGESEKKR NLGELSRTTS EDNEVFGEAD ANQNNGTSSQ DTAVTDSKRT ADPKNAWQDA HPADPGSRPH LIRLFSRDAP GREDNTFKDR PSESDELQTI QEDSAATSES LDVMASQKRP SQRHGSKYLA TASTMDHARH GFLPRHRDTG ILDSIGRFFG GDRGAPKRGS GKDSHHPART AHYGSLPQKS HGRTQDENPV VHFFKNIVTP RTPPPSQGKG RGLSLSRFSW GAEGQRPGFG YGGRASDYKS AHKGFKGVDA QGTLSKIFKL GGRDSRSGSP MARR

#### [IDENTIFICATION]

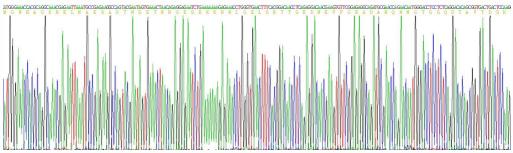


Figure 1. Gene Sequencing (extract)

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kDa
70
44
33
26
22
18
14
10

Figure 2. SDS-PAGE

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