RPB677Hu01 200μg

Recombinant Melanotransferrin (MFI2)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Leu366~Ser706

Tags: N-terminal His Tag

Subcellular Location: Membrane

Purity: > 95%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT,

0.01% SKL, 5% Trehalose and Proclin300.

Original Concentration: 200μg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 5.8

Predicted Molecular Mass: 41.3kDa

Accurate Molecular Mass: 41kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

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 2-8ºC for one month.

Aliquot and store at -80ºC 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]

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                LRWCV  LSTPEIQKCG  DMAVAFRRQR  LKPEIQCVSA
KSPQHCMERI  QAEQVDAVTL  SGEDIYTAGK  TYGLVPAAGE  HYAPEDSSNS
YYVVAVVRRD  SSHAFTLDEL  RGKRSCHAGF  GSPAGWDVPV  GALIQRGFIR
PKDCDVLTAV  SEFFNASCVP  VNNPKNYPSS  LCALCVGDEQ  GRNKCVGNSQ
ERYYGYRGAF  RCLVENAGDV  AFVRHTTVFD  NTNGHNSEPW  AAELRSEDYE
LLCPNGARAE  VSQFAACNLA  QIPPHAVMVR  PDTNIFTVYG  LLDKAQDLFG
DDHNKNGFKM  FDSSNYHGQD  LLFKDATVRA  VPVGEKTTYR  GWLGLDYVAA
LEGMSS
```

[IDENTIFICATION]

15% SDS-PAGE
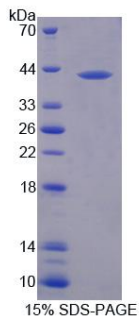
[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.