

YBE837Ra01 100µg Aldehyde Dehydrogenase 7 Family, Member A1 (ALDH7A1) Organism Species: Rattus norvegicus (Rat) *Instruction manual*

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



[PROPERTIES]

Residues: Leu28~GIn539 (Accession # Q64057), with N-terminal His-Tag. Host: *E. coli* Subcellular Location: Nucleus. Cytoplasm, cytosol. Mitochondrion. Purity: >95% Endotoxin Level: <1.0EU per 1µg (determined by the LAL method). Formulation: Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl. Predicted isoelectric point: 6.5 Predicted Molecular Mass: 57.0kDa Applications: SDS-PAGE; WB; ELISA; IP.

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

[<u>USAGE</u>]

Reconstitute in sterile PBS, pH7.2-pH7.4.





[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 of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[<u>SEQUENCES</u>]

The target protein is fused with N-terminal His-Tag, its sequence is listed below. MGHHHHHHSGS-LMS TLLIHHPQYA WLQDLGLRED NEGVFNGSWG GRGEVITTYC PANNEPIARV RQASMKDYEE TIGKAKKAWN IWADIPAPKR GEIVRKIGDA LREKIQLLGR LVSLEMGKIL VEGIGEVQEY VDVCDYAAGL SRMIGGPTLP SERPGHALME QWNPLGLVGI ITAFNFPVAV FGWNNAIALI TGNVCLWKGA PTTSLVSIAV TKIIAKVLED NLLPGAICSL TCGGADMGTA MARDERVNLL SFTGSTQVGK QVALMVQERF GKSLLELGGN NAIIAFEDAD LSLVLPSALF AAVGTAGQRC TTVRRLFLHE SIHDEVVDRL KNAYSQIRVG NPWDPNILYG PLHTKQAVSM FVQAVEEAKK EGGTVVYGGK VMDHPGNYVE PTIVTGLVHD APIVHKETFA PILYVFKFKN EEEVFEWNNE VKQGLSSSIF TKDLGRIFRW LGPKGSDCGI VNVNIPTSGA EIGGAFGGEK HTGGGRESGS DAWKQYMRRS TCTINYSTAL PLAQGIKFQ