



Cloud-Clone Corp.

EPA656Hu61 100ug
Eukaryotic Diamine Oxidase (DAO)
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: Eukaryotic expression.

Host: 293F cell

Residues: Glu20~Val751

Tags: N-terminal His Tag

Homology: Mouse 80%, rat 81%

Tissue Specificity: Kidney, Colon.

Subcellular Location: Secreted.

Purity: >98%

Endotoxin Level: <1.0EU per 1µg (determined by the LAL method).

Traits: Freeze-dried powder

Buffer Formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 5%Trehalose and Proclin300.

Original Concentration: 200ug/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: 6.6

Predicted Molecular Mass: 85.1kDa

Accurate Molecular Mass: 100kDa as determined by SDS-PAGE reducing conditions.

Phenomenon explanation:

The possible reasons that the actual band size differs from the predicted are as follows:

1. Splice variants: Alternative splicing may create different sized proteins from the same gene.
2. Relative charge: The composition of amino acids may affects the charge of the protein.
3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
5. Polymerization of the target protein: Dimerization, multimerization etc.

[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 2-8°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]

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      E PSPGTLPRKA  GVFSDSL NQE  LKAVHSFLWS
KKELRLQPSS  TTTMAKNTVF  LIEMLLPKKY  HVLRF LDKGE  RHPVREARAV
IFFGDQEHPN  VTEFAVGPLP  GPCYMRALSP  RPGYQSSWAS  RPISTA EYAL
LYHTLQEATK  PLHQFFLNTT  GFSFQDCHDR  CLAFTDV APR  GVASGQRRSW
LIIQRYVEGY  FLHPTGLELL  VDHGSTDAGH  WAVEQVWYNG  KFYGSPEELA
RKYADGEVDV  VVLEDPLPGG  KGHDSTEEPP  LFSSHKPRGD  FPSPIHVSGP
RLVQPHGPRF  RLEGNVLYG  GWSFAFRLRS  SSSLQVLNVH  FGGERIAYEV
SVQEAVALYG  GHTPAGMQTK  YLDVGWGLGS  VTHELAPGID  CPETATFLDT
FHYYDADDPV  HYPRALCLFE  MPTGVPLRRH  FNSNFKGGFN  FYAGLKGQVL
VLRTTSTVYN  YDYIWFIFY  PNGVMEAKMH  ATGYVHATFY  TPEGLRHGTR
LHTHLIGNIH  THLVHYRVDL  DVAGTKNSFQ  TLQMKLENIT  NPWSPRHRVV
QPTLEQTQYS  WERQA AFRFK  RKLPKYLLFT  SPQENPWGHK  RTYRLQIHSM
ADQVLP PGWQ  EEQAITWARY  PLAVTKYRES  ELCSSSIYHQ  NDPWHPPVVF
EQFLHNNENI  ENEDLVAWVT  VGFLHIPHSE  DIPNTATPGN  SVGFLLRPFN
FFPEDPSLAS  RDTVIVWPRD  NGPNYVQRWI  PEDRDCSMPP  PFSYNGTYRP
V
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