

RPA673Hu02 100µg
Recombinant Dopamine Receptor D2 (DRD2)
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: Val200~Ile384

Tags: N-terminal His and GST Tag

Subcellular Location: Membrane

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Original Concentration: 120µg/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: 11.6

Predicted Molecular Mass: 51.2kDa

Accurate Molecular Mass: 51kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) 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]

V

PFIVTLLVYI KIYIVLRRRR KRVNTRSSR AFRAHLRAPL KGNCTHPEDM
 KLCTVIMKSN GSFPVNRVV EAARRAQELE MEMLSSTSP ERTRYSPIPP
 SHHQLTLPDP SHHGLHSTPD SPAKPEKNGH AKDHPKIAKI FEIQTMPNGK
 TRTSLKTMSR RKLSQQKEKK ATQMLAIVLG VFII

[IDENTIFICATION]

TGTGCCC
TTGAT
TGTG
CACC
TGC
TGG
TCT
ACAT
CAAG
ATCT
ACAT
TGT
TCC
TCC
G
CAG
ACGC
CG
CAAG
CGAG
TCAACAC
CAAA
CGCAG
CAGC
CGAGC
TTT
CAG
GGC
CCAC
CTG
AGGGC
TC
CAC
TAA
AGGG
CAAC
TGT
TAC
TCACC
CGAG
GACAT
GAAAC
TGT
GACCG
TTAT
CAT
GANG
TC
TAAC
GGG
AG
TTT
CC
CAG
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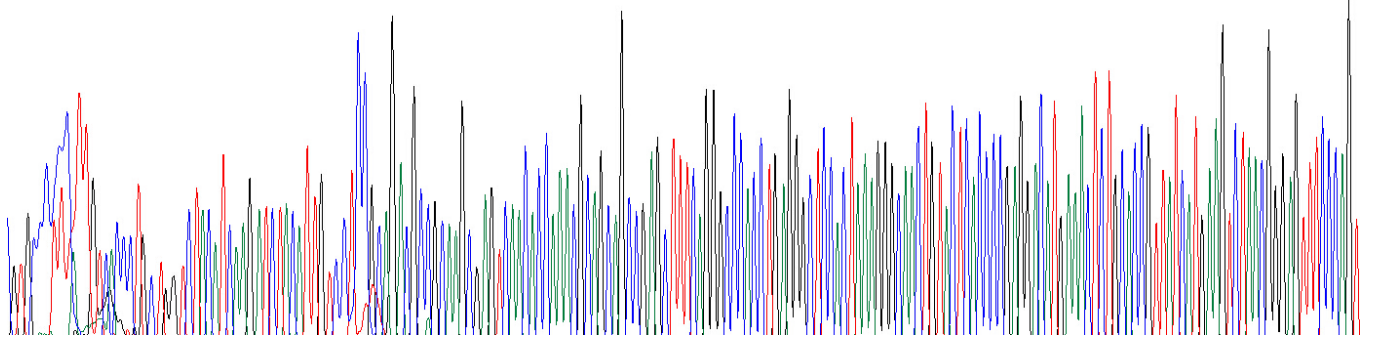


Figure . Gene Sequencing (extract)

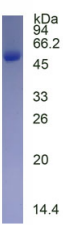


Figure. SDS-PAGE

[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.