RPA724Hu01 200µg

Recombinant Prostaglandin D2 Synthase, Brain (PGD2S)

Organism Species: Homo sapiens (Human)

Instruction manual

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

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Pro32~Gln190

Tags: N-terminal His-Tag

Tissue Specificity: Brain, Liver, Placenta.

Subcellular Location: Rough endoplasmic reticulum. Nucleus membrane. Golgi apparatus. Cytoplasm, perinuclear region. Secreted.

Purity: >95%

Traits: Freeze-dried powder

Buffer formulation: 100mM $NaHCO_3$, 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 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: 8.9

Predicted Molecular Mass: 21.5kDa

Accurate Molecular Mass: 22kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 100mM $NaHCO_3$, 500mM NaCl (pH8.3) 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]

PNFQQDKFL GRWFSAGLAS
NSSWLREKKA ALSMCKSVVA PATDGGLNLT STFLRKNQCE TRTMLLQPAG
SLGSYSYRSP HWGSTYSVSV VETDYDQYAL LYSQGSKGPG EDFRMATLYS
RTQTPRAELK EKFTAFCKAQ GFTEDTIVFL PQTDKCMTEQ

[IDENTIFICATION]

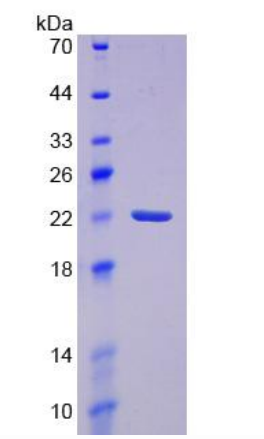

Figure 1. SDS-PAGE