

AR09738PU-N

Human 17-beta HSD14 / HSD17B14 (1-270, His-tag) - Purified

Alternate names:

17-beta-hydroxysteroid dehydrogenase 14, 17-beta-hydroxysteroid dehydrogenase DHRS10, DHRS10, Dehydrogenase/reductase SDR family member 10, Retinal short-chain dehydrogenase/reductase retSDR3, SDR3

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

HSD17B14, also known as 17-beta-hydroxysteroid dehydrogenase 14, belongs to the 17-beta-HSD family of proteins, which regulate the availability of steroids within various tissues rough out the body. It exists as a homotetramer that localizes to the cytoplasm and is highly expressed in brain, placenta, liver and kidney.

Uniprot ID:

[Q9BPX1](#)

NCBI:

[NP_057330](#)

GeneID:

[51171](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Description:

Recombinant human HSD17B14 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMATG TRYAGKVVVV TGGGRGIGAG
IVRAFVNSGA RVVICDKDES GGRALEQELP GAVFILCDVT QEDDVKTLVS ETIRRFGRLD
CVVNNAGHHP PPQRPEETSA QGFRQLLELN LLGTYTLTKL ALPYLRKSQG NVINISLVG
AIGQAQAVPY VATKGAVTAM TKALALDESP YGVRVNCISP GNIWTPLWEE LAALMPDPRA
TIREGMLAQP LGRMGQPAEV GAAAVFLASE ANFCTGIELL VTGGaelGYG CKASRSTPVD APDIPS

Molecular weight: 32.4 kDa (306aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

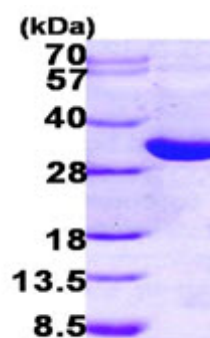
Shelf life: one year from despatch.

General Readings:

Grimwood J., et al. (2004), Nature., 428: 529-535.

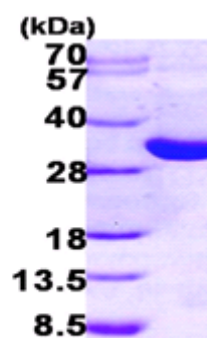
Lukacik P., et al. (2007). Biochem. J., 402: 419-427.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human HSD17B14, 1-270aa,
His-tagged



15% SDS-PAGE (3ug)