Recombinant Human Dehydrogenase,reductase SDR family member 2(DHRS2)

Catalog No: #AP76747

Package Size: #AP76747-1 20ug #AP76747-2 100ug #AP76747-3 1mg

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Dehydrogenase,reductase SDR family member 2(DHRS2)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-300aaSequence Info:Full Length of Isoform 2
Other Names	Dicarbonyl reductase HEP27 Protein D Short chain dehydrogenase,reductase family 25C member 1
Accession No.	Q13268
Uniprot	Q13268
GeneID	10202;
Calculated MW	58.5 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MLSAVARGYQGWFHPCARLSVRMSSTGIDRKGVLANRVAVVTGSTSGIGFAIARRLARDGAHVVISSRKQQN VDRAMAKLQGEGLSVAGIVCHVGKAEDREQLVAKALEHCGGVDFLVCSAGVNPLVGSTLGTSEQIWDKILSV NVKSPALLLSQLLPYMENRRGAVILVSSIAAYNPVVALGVYNVSKTALLGLTRTLALELAPKDIRVNCVVPGIIKT DFSKVVRIGFMGMSLSGRTSRNIISCRGLGSQRTVQESCPSCALQMPATSTGRTLRWQATPLGSERSGGGC VAVVPGPGA
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Displays NADPH-dependent dicarbonyl reductase activity in vitro with 3,4-Hexanedione, 2,3-Heptanedione and 1-Phenyl-1,2-propanedione as substrates. No reductase activity is displayed in vitro with steroids, retinoids and sugars as substrates. Attenuates MDM2-mediated p53,TP53 degradation, leading to p53,TP53 stabilization and increased transcription activity, resulting in the accumulation of MDM2 and CDKN1A,p21.

References

"A nuclear protein, synthesized in growth-arrested human hepatoblastoma cells, is a novel member of the short-chain alcohol dehydrogenase family."
Gabrielli F., Donadel G., Bensi G., Heguy A., Melli M.
Eur. J. Biochem. 232:473-477(1995) Research Topic:Signal Transduction

Note: This product is for in vitro research use only