

Recombinant human Nuclear receptor subfamily 2 group C member 2 protein



Catalog No: #AP72310

Orders: order@signalwayantibody.com

Package Size: #AP72310-1 20ug #AP72310-2 100ug

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant human Nuclear receptor subfamily 2 group C member 2 protein
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:3-592aaSequence Info:Partial
Other Names	Orphan nuclear receptor TAK1Orphan nuclear receptor TR4Testicular receptor 4
Accession No.	P49117
Uniprot	P49117
GeneID	22026;
Calculated MW	68.7 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	SPSPRIQIISTDSAVASPQRIQIVTDQQTGQKIQIVTAVDASGSSKQQFILTSPDGAGTGKIVILASPETSSAKQLIF TTSDNLVPGRIQIVTDSASVERLLGKADVQRPQVVEYCVVCGDKASGRHYGAVSCEGCKGFFKRSVRKNLTY SCRSSQDCIINKHHRNRCQFCRLKCKLEMGMKMESVQSERKPFVDVQREKPSNCAASTEKIYIRKDLRSPLIAT PTFVADKDGARQTGLLDPGMLVNIQQPLIREDGTVLLAADSKAETSQGALGTLANVVTSLANLSESLNNGDAS EMQPEDQSASEITRAFDTLAKALNTTDSASPPSLADGIDASGGGSIHVISRQSTPIIEVEGPLLSDTHVTFKLT MPSPMPEYLNVHYICESASRLLFLSMHWARSIPAFQALGQDCNTSLVRACWNELFTLGLAQCAQVMSLSTILA AIVNHLQNSIQEDKLSGDRKQVMEHIWKLQEFNCMAKLDIDGYEYAYLKAIVLFSPDHPGLTGTSQIEKFQEK AQMELQDYVQKTYSEDYRLARILVRLPALRLMSSNITEELFFTGLIGNVSDSIIPYILKMETAEYNGQIT
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

Orphan nuclear receptor that can act as a repressor or activator of transcription. An important repressor of nuclear receptor signaling pathways such as retinoic acid receptor, retinoid X, vitamin D3 receptor, thyroid hormone receptor and estrogen receptor pathways. May regulate gene expression during expression during the late phase of spermatogenesis. Activates transcriptional activity of LHCG and is antagonist of PPARA-mediated transactivation . Together with NR2C1, forms the core of the DRED (direct repeat erythroid-definitive) complex that represses bryonic and fetal globin transcription including that of GATA1. Binds to hormone response elements (HREs) consisting of two 5'-AGGTCA-3' half site direct repeat consensus sequences. Plays a fundamental role in early bryonic development and bryonic stem cells. Required for normal spermatogenesis and cerebellum development. Appears to be important for neurodevelopmentally regulated behavior

References

Cloning of the gene encoding the murine orphan receptor TAK1 and cell-type-specific expression in testis. Hirose T., O'Brien D.A., Jetten A.M. *Gene* 163:239-242(1995) Research Topic: Developmental Biology

Note: This product is for in vitro research use only