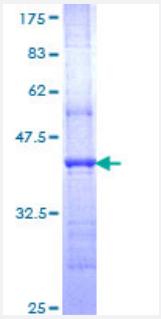
NR4A3 (Human) Recombinant Protein (Q01)

Catalog # H00008013-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NR4A3 partial ORF (NP_008912, 414 a.a. - 521 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LDYSRYCPTDQAAAGTDAEHVQQFYNLLTASIDVSRSWAEKIPGFTDLPKEDQTLLIESAFLELFVL RLSIRSNTAEDKFVFCNGLVLHRLQCLRGFGEWLDSIKDFS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.62
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NR4A3

Entrez GeneID	8013
GeneBank Accession#	NM_006981
Protein Accession#	NP_008912
Gene Name	NR4A3
Gene Alias	CHN, CSMF, MINOR, NOR1, TEC
Gene Description	nuclear receptor subfamily 4, group A, member 3
Omim ID	600542
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the steroid-thyroid hormone-retinoid receptor superfamily. The encoded protein may act as a transcriptional activator. The protein can efficiently bind the NGFI-B Response Element (NBRE). Three different versions of extraskeletal myxoid chondrosarcomas (EMCs) are the result of reciprocal translocations between this gene and other genes. The translocation breakpoints are associated with Nuclear Receptor Subfamily 4, Group A, Member 3 (on chromosome 9) and either Ewing Sarcome Breakpoint Region 1 (on chromosome 22), RNA Polymerase II, TATA Box-Binding Protein-Associated Factor, 68-KD (on chromosome 17), or Transcription factor 12 (on chromosome 15). Four transcript variants encoding three distinct isoforms have been identified for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000022775|OTTHUMP00000022776|chondrosarcoma, extraskeletal myxoid, fused to EWS|mitogen induced nuclear orphan receptor|neuron derived orphan receptor|translocated in extraskeletal chondrosarcoma

Publication Reference

- DNA-dependent protein kinase (DNA-PK) permits vascular smooth muscle cell proliferation through phosphorylation of the orphan nuclear receptor NOR1.

  Medunjanin S, Daniel JM, Weinert S, Dutzmann J, Burgbacher F, Brecht S, Bruemmer D, Kahne T, Naumann M, Sedding DG, Zuschratter W, Braun-Dullaeus RC.

  Cardiovascular Research 2015 Jun; 106(3):488.

  Application: IF, WB-Ti, WB-Tr, Human, Atherosclerotic tissue, VSMC

Disease

- Cleft Lip
- Cleft Palate
- Insulin Resistance
- Prediabetic State