

Product datasheet for **TP509316**

Nr4a1 (NM_010444) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse nuclear receptor subfamily 4, group A, member 1 (Nr4a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from Mouse cDNA ORF Clone, MR209316, encoding Mouse full-length Nr4a1.
Tag:	C-MYC/DDK
Predicted MW:	64.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_034574
Locus ID:	15370
UniProt ID:	P12813 , Q545Q1
RefSeq Size:	2534
Cytogenetics:	15 F1
RefSeq ORF:	1806
Synonyms:	Gfrp; GFRP1; Hbr-1; Hbr1; Hmr; N10; NGFI-B; NGFIB; NP10; nur77; TIS1; TR3



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Summary:

Orphan nuclear receptor. May act concomitantly with NURR1 in regulating the expression of delayed-early genes during liver regeneration. Binds the NGFI-B response element (NBRE) 5'-AAAAGGTCA-3'. May inhibit NF-kappa-B transactivation of IL2. Participates in energy homeostasis by sequestering the kinase STK11 in the nucleus, thereby attenuating cytoplasmic AMPK activation (By similarity). Plays a role in the vascular response to injury (PubMed:22427340).[UniProtKB/Swiss-Prot Function]