Recombinant Human NR0B2 Protein, GST-tagged

Cat. No. NR0B2-6066H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NR0B2 full-length ORF (AAH30207, 1 a.a. - 257 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is an unusual orphan receptor that contains a putative ligand-binding domain but lacks a conventional DNA-binding domain. The gene product is a member of the nuclear hormone receptor family, a group of transcription factors regulated by small hydrophobic hormones, a subset of which do not have known ligands and are referred to as orphan nuclear receptors. The protein has been shown to interact with retinoid and thyroid hormone receptors, inhibiting their ligand-dependent transcriptional activation. In addition, interaction with estrogen receptors has been demonstrated, leading to inhibition of function. Studies suggest that the protein represses nuclear hormone receptor-mediated transactivation via two separate steps: competition with coactivators and the direct effects of its transcriptional repressor function. [provided by RefSeq
Molecular Mass	54.01 kDa
AA Sequence	MSTSQPGACPCQGAASRPAILYALLSSSLKAVPRPRSRCLCRQHRPVQLCAPHRTC REALDVLAKTVAFLRNLPSFWQLPPQDQRRLLQGCWGPLFLLGLAQDAVTFEVAEA PVPSILKKILLEEPSSSGGSGQLPDRPQPSLAAVQWLQCCLESFWSLELSPKEYACL

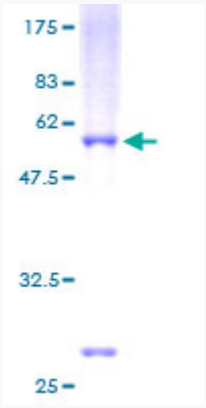
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	KGTILFNPDVPGLQAASHIGHLQQEAHWVLCEVLEPWCPAAQGRLTRVLLTASTLKS IPTSLLGDLFFRPIIGDVDIAGLLGDMLLLR
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	NR0B2 nuclear receptor subfamily 0, group B, member 2 [Homo sapiens]
Official Symbol	NR0B2
Synonyms	NR0B2; nuclear receptor subfamily 0, group B, member 2; nuclear receptor subfamily 0 group B member 2; SHP; nuclear receptor SHP; small heterodimer partner; orphan nuclear receptor SHP; SHP1; FLJ17090;
Gene ID	8431
mRNA Refseq	NM_021969
Protein Refseq	NP_068804
MIM	604630

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UniProt ID	Q15466
Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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