Recombinant Human NR2E3 protein, His & GST-tagged

Cat. No. NR2E3-1090H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NR2E3 aa. (Met1~Asn410 fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Asn410
Description	This protein is part of a large family of nuclear receptor transcription factors involved in signaling pathways. Nuclear receptors have been shown to regulate pathways involved in embryonic development, as well as in maintenance of proper cell function in adults. Members of this family are characterized by discrete domains that function in DNA and ligand binding. This gene encodes a retinal nuclear receptor that is a ligand-dependent transcription factor. Defects in this gene are a cause of enhanced S cone syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified.
Form	Freeze-dried powder
Molecular Mass	75kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>92%

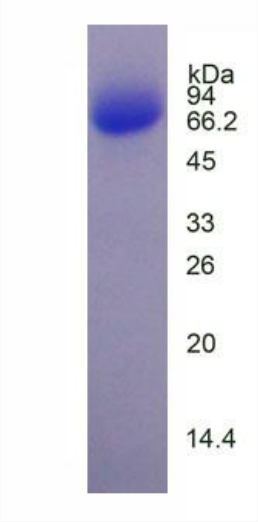
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Characteristic	The isoelectric point is 8.2.
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200μg/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	NR2E3 nuclear receptor subfamily 2 group E member 3 [Homo sapiens (human)]
Official Symbol	NR2E3
Synonyms	NR2E3; nuclear receptor subfamily 2 group E member 3; PNR; RNR; rd7; ESCS; RP37; photoreceptor-specific nuclear receptor; retina-specific nuclear receptor
Gene ID	10002

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mRNA Refseq	NM_014249.3
Protein Refseq	NP_055064.1
UniProt ID	Q9Y5X4
SDS-PAGE	

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