

Recombinant Human NR2E3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NR2E3-1583H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NR2E3 MS Standard C13 and N15-labeled recombinant protein (NP_055064) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	44.5 kDa
AA Sequence	METRPTALMSSTVAAAAPAAGAASRKESPGRWGLGEDPTGVSPSLQCRVCGDSSSGKHYGIYACNGCSGFFKRSVRRRLIYRCQVGAGMCPVDKAHRNQCQACRLKKCLQAGMNQDAVQNERQPRSTAQVHLDSMESNTESRPESLVAPPAPAGRSRPGPTPMSAARALGHFMA SLITAETCAKLEPEDADENIDVTSNDPEFPSSPYSSSSPCGLDSIHE TSARLLFMAVKWAKNLPVFSSLPFRDQVILLEEAWSELFLLGAIQWSLPLDSCPLLAP

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PEASAAGGAQGRLTLASMETRVLQETISRFRALAVDPTEFACMKALVLFKPETRGLK
DPEHVEALQDQSQVMLSQHSKAHPSQPVRFGKLLLLPSLRFITAEIRIELLFFRKT
GNTPMKLLCDMFKNSGPTRRTRRLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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; photoreceptor-specific nuclear receptor; PNR; rd7; RP37; retina-specific nuclear receptor; photoreceptor cell-specific nuclear receptor variant 1; RNR; ESCS; MGC49976;

Gene ID 10002

mRNA Refseq NM_014249

Protein Refseq NP_055064

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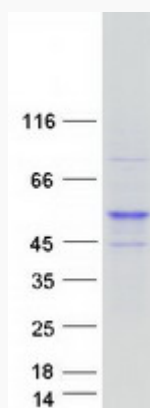
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MIM 604485

UniProt ID Q9Y5X4

SDS-PAGE



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