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Product datasheet for RC215058L1V

XPD (ERCC2) (NM_000400) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	XPD (ERCC2) (NM_000400) Human Tagged ORF Clone Lentiviral Particle
Symbol:	XPD
Synonyms:	COFS2; EM9; TFIIH; TTD; TTD1; XPD
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000400
ORF Size:	2280 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC215058).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_000400.2
RefSeq Size:	2355 bp
RefSeq ORF:	2283 bp
Locus ID:	2068
UniProt ID:	P18074
Cytogenetics:	19q13.32
Domains:	DEXDc2, HELICc2
Protein Families:	Druggable Genome, Transcription Factors

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Protein Pathways: Nucleotide excision repair

MW: 86.7 kDa

Gene Summary: The nucleotide excision repair pathway is a mechanism to repair damage to DNA. The protein encoded by this gene is involved in transcription-coupled nucleotide excision repair and is an integral member of the basal transcription factor BTF2/TFIIH complex. The gene product has ATP-dependent DNA helicase activity and belongs to the RAD3/XPD subfamily of helicases. Defects in this gene can result in three different disorders, the cancer-prone syndrome xeroderma pigmentosum complementation group D, trichothiodystrophy, and Cockayne syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]