

## Product datasheet for TP319020M

### CSB (ERCC6) (NM\_000124) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human excision repair cross-complementing rodent repair deficiency, complementation group 6 (ERCC6), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219020 protein sequence Red=Cloning site Green=Tags(s)

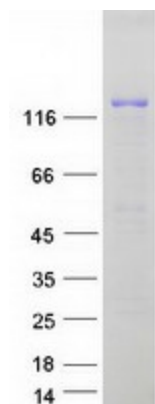
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MIVVESLLKIWHKQGQRVLLFSQSRQMLDILEVFLRAQKYTYLKMDGTTTASRQPLITRYNEDTSIFVF  
LLTTRVGGGLGVNLTGANRVYIDPDWNPSTDTQARERAWRIGQKKQVTVYRLLTAGTIEEKIYHRQIFKQ  
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PKRKKFPASNISVNDATSSEEKSEAKGAEVNAVTSNRSDPLKDDPHMSSNVTSNDRLGEETNAVSGPEEL  
SVISNGECSNSSGTGKTSMPSGDESIDEKLGSLYKRERPSQAQTEAFWENKQMNENFYKHKSSTKHHSV  
AEEETLEKHLRPKQKPKNSKHCRDAKFEGTRIPHVLVKKRRYQKQDSENKSEAKEQSNDDYVLEKLFKKS  
GVHSMVKHDAIMDGASPDYVLVEAEANRVAQDAPKALRLSRQCLGAVSGVPTWTGHRGISGAPAGKKS  
FGKKRNSNFVQHPSSSTPTEKCDGIMKKEGKDNVPEHFSGRAEDADSSSGPLASSLLAKMRARNHLI  
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RNLCTFHRTSGGEGIWKLKPEYC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	168.2 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_000115</a>
<b>Locus ID:</b>	2074
<b>UniProt ID:</b>	<a href="#">Q03468</a> , <a href="#">Q59FF6</a>
<b>RefSeq Size:</b>	8993
<b>Cytogenetics:</b>	10q11.23
<b>RefSeq ORF:</b>	4479
<b>Synonyms:</b>	ARMD5; KKN2; COFS; COFS1; CSB; CSB-PGBD3; POF11; RAD26; UVSS1
<b>Summary:</b>	<p>This gene encodes a DNA-binding protein that is important in transcription-coupled excision repair. The encoded protein has ATP-stimulated ATPase activity, interacts with several transcription and excision repair proteins, and may promote complex formation at DNA repair sites. Mutations in this gene are associated with Cockayne syndrome type B and cerebrooculofacioskeletal syndrome 1. Alternative splicing occurs between a splice site from exon 5 of this gene to the 3' splice site upstream of the open reading frame (ORF) of the adjacent gene, piggyback-derived-3 (GeneID:267004), which activates the alternative polyadenylation site downstream of the piggyback-derived-3 ORF. The resulting transcripts encode a fusion protein that shares sequence with the product of each individual gene. [provided by RefSeq, Mar 2016]</p>
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Nucleotide excision repair

**Product images:**

Coomassie blue staining of purified ERCC6 protein (Cat# [TP319020]). The protein was produced from HEK293T cells transfected with ERCC6 cDNA clone (Cat# [RC219020]) using MegaTran 2.0 (Cat# [TT210002]).