

Product datasheet for PH319020

CSB (ERCC6) (NM_000124) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ERCC6 MS Standard C13 and N15-labeled recombinant protein (NP_000115)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219020
Predicted MW:	168.3 kDa
Protein Sequence:	>RC219020 protein sequence Red=Cloning site Green=Tags(s)

MPNEGIPHSSQTQEQDCLQSQPVSNEEMAIAIKQESGGDGEVEEYLSFRSVGDGLSTSAVGCASAAPRRGP
ALLLHIDRHQIQAVEPSAQALELQGLGVDVYDQDVLQGGVLQQVDNAIHEASRASQLVDVEKEYRSVLDDL
TSCOTSLRQINKIIEQLSPQAATSRDINRKLDSVKRQKYNKEQQLKKITAKQKHLQAILGGAEVKIELDH
ASLEEDAEPGPSSLGSMMPVQETAWEELIRTQMTPFGTQIPQKQEKKPRKIMLNEASGFKEYLADQAK
LSFERKKQGCNKRAARKAPAVTPPAPVQNKPNKKARVLSKKEERLKKHIKKLQKRALQFQGGVGLPK
ARRPWESDMRPEAEGDSEGESEYFPTEEEEEEDEVEGAEADLSGDGTDYELKPLPKGGKRQKKVPVQ
EIDDDFFPSSGEEAASVGGGGGGRKVGRRYDDGDEDYKQRLRRWNKLRQLDKEKRLKLEDDSEESD
AEFDEGFKVPGFLFKKLFKYQQTGVRWLWELHCQQAGGILGDEMGLGKTIQIIAFLAGLSYKIRTRGSN
YRFEGLGPTVIVCPTTVMHQWVKEFHTWPPFRVAAILHETGSYTHKKEKLRDVAHCHGILITSYSYIRL
MQDDISRYDWHYVILDEGHKIRNPAAVTLACKQFCTPHRIILSGSPMQNNLRELWLSLDFDFIFPGKLGTL
PVFMEQFSVPITMGGYSNASPVQVKTAYKACVLRDITINPYLLRRMKSVDVKMSLSLDPKNEQVLFCLRTD
EQHKVYQNFVDSKEVYRILNGEMQIFSGLIARLKI CNHPDLFSGGPKNLKGLPDDELEEDQFGYWKRSRK
MIVVESLLKIWHKQGRVLLFSQSRQMLDILEVFLRAQKYTYLKMGGTTTTIASRQPLITRYNEDTSTIFV
LLTTRVGGGLGNLTGANRVVIYDPDWNPTDQARERAWRIGQKKQVTVYRLLTAGTIEEKIYHRQIFKQ
FLTNRVLKDPKQRRFFKSNLDELFTLTPSDASQSTETSAIFAGTSDVQTPKCHLKRRIIPAFGADHDV
PKRKKFPASNISVNDATSSEEKSEAKGAEVNAVTSNRSDPLKDDPHMSSNVTSDNRLGEEETNAVSGPEEL
SVISGNCECSNSSGTGKTSMPSGDESIDEKLGLSYKRERPSQAQTEAFWENKQMNENFYKHKSKTKHHSV
AEEETLEKHLRPKQPKNSKHCRDAKFEGTRIPHLVKKRRYQKQDSENKSEAKEQSNDDYVLEKLFKKS
GVHSMKHDAIMDGASPDYVLEAEANRYAQDAPKALRLSRQRCLGAVSGVPTWTGHRGISGAPAGKKS
FGKKNRNSNFVQHPSSPTKECQDGMKKEGKDNVPEHFSGRAEDADSSGPLASSLLAKMRARNHLI
LPERLESESGHLQEASALLPTTEHDDLLEMRNFIAFQAHTDGGASTREILQEFESKLSASQSCVFRELL
RNLCTFHRTSGGEGIWKLKPEYC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

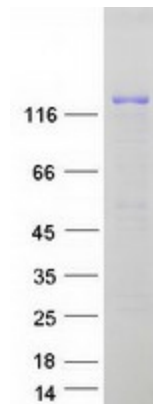
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000115
RefSeq Size:	8993
RefSeq ORF:	4479
Synonyms:	ARMD5; CKN2; COFS; COFS1; CSB; CSB-PGBD3; POF11; RAD26; UVSS1
Locus ID:	2074
UniProt ID:	Q03468 , Q59FF6
Cytogenetics:	10q11.23
Summary:	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]
Protein Families:	Druggable Genome
Protein Pathways:	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]).