

# Recombinant Human CELF1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CELF1-1244H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	CELF1 MS Standard C13 and N15-labeled recombinant protein (NP_006551) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Members of the CELF/BRUNOL protein family contain two N-terminal RNA recognition motif (RRM) domains, one C-terminal RRM domain, and a divergent segment of 160-230 aa between the second and third RRM domains. Members of this protein family regulate pre-mRNA alternative splicing and may also be involved in mRNA editing, and translation. This gene may play a role in myotonic dystrophy type 1 (DM1) via interactions with the dystrophin myotonia-protein kinase (DMPK) gene. Alternative splicing results in multiple transcript variants encoding different isoforms.
<b>Molecular Mass</b>	51.6 kDa
<b>AA Sequence</b>	MNGTLDHPDQPDLDAIKMFVGGVPRTWSEKDLRELFEQYGAVYEINVLRDRSQNPP QSKGCCFVTFYTRKAALEAQNALHNMKVLPGMHHPQMKPADSEKNNAVEDRKLFI GMISKKCTENDIRVMFSSFGQIEECRILRGPDGLSRGCAFVFTTRAMAQTAIKAMH QAQTMEGCSSPMVVVKFADTQKDKEQKRMAQQLQQMQQISAASVWGNLAGLNTL GPQYLALLQQTASSGNLNTLSSLHPMGGLNAMQLQNLAALAAAASAAQNTPSGTNA LTTSSSPLSVLTSSAGSSPSSSSNSVNPIASLGALQTLGATAGLNVGSLAGMAAL

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NGGLGSSGLSNGTGSTMEALTQAYSGIQQYAAAALPTLYNQNLTTQQSIGAAGSQK  
 EGPEGANLFIYHLPQEFQDQDLLQMFMPFGNVVSAKVFDKQTNLSKCFGFVSYDN  
 PVSAQAAIQSMNGFQIGMKRLKVQLKRSKNDSKPYTRTRPLEQKLISEEDLAANDILD  
 YKDDDDKV

**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** CELF1 CUGBP Elav-like family member 1 [ *Homo sapiens* (human) ]

**Official Symbol** CELF1

**Synonyms**

CELF1; CUGBP, Elav-like family member 1; CUG triplet repeat, RNA binding protein 1, CUG triplet repeat, RNA binding protein 1, CUGBP1; CUGBP Elav-like family member 1; bruno like 2; BRUNOL2; CUG RNA binding protein; CUG BP; CUGBP; EDEN BP; embryo deadenylation element binding protein; hNab50; NAB50; NAPOR; nuclear polyadenylated RNA binding protein; 50 kD; CELF-1; CUG-BP1; bruno-like 2; EDEN-BP homolog; bruno-like protein 2; CUG RNA-binding protein; deadenylation factor CUG-BP; RNA-binding protein BRUNOL-2; CUG-BP- and ETR-3-like factor 1; CUG triplet repeat RNA-binding protein 1; CUG triplet repeat, RNA binding protein 1; CUG triplet repeat, RNA-binding protein 1; 50 kDa nuclear polyadenylated RNA-

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binding protein; nuclear polyadenylated RNA-binding protein, 50-kD; embryo deadenylation element-binding protein homolog; CUG-BP; CUGBP1; EDEN-BP;

**Gene ID** [10658](#)

**mRNA Refseq** [NM\\_006560](#)

**Protein Refseq** [NP\\_006551](#)

**MIM** [601074](#)

**UniProt ID** [Q92879](#)

**SDS-PAGE**



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