

Recombinant Human TSEN2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TSEN2-3157H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TSEN2 MS Standard C13 and N15-labeled recombinant protein (NP_001138864) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes one of the subunits of the tRNA splicing endonuclease. This endonuclease catalyzes the first step in RNA splicing which is the removal of introns. Mutations in this gene have been associated with pontocerebellar hypoplasia type 2. A pseudogene has been identified on chromosome 4. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	53.2 kDa
AA Sequence	MAEAVFHAPKRKRVRVYETYESPLPIPGQDHGPKLKEFKIFRAEMINNNVIVRNAEDIE QLYGKGYFGKGILSRSPSFTISDPKLVAKWKDMKTNMPIITSKRYQHSEVWAAELM RRQGQDESTVRRILKDYTKPLEHPPVKRNEEAQVHDKLNSGMVSNMEGTAGGERP SVVNGDSGKSGGVGDPREPLGCLQEGSGCHPTTESFEKSVREDASPLPHVCCCKQ DALILQRGLHHEDGSQHIGLLHPGDRGPDHEYVLVEEAECAMSEREAAPNEELVQR NRLICRRNPYRIFEYLQLSLEEAFFLVYALGCLSIYYEKEPLTIVKLWKAFTVVQPTFR TTYMAYHYFRSKGWVPKVGLKYGTDLLLYRKGPPFYHASYSVIIELVDDHFEGLRR PLSWKSLAALSRVSVNVSKELMLCYLIKPMSTMTDKEMESPECMKRIKVQEVLRSRWV

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SSRERSDQDDLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	TSEN2 tRNA splicing endonuclease subunit 2 [Homo sapiens (human)]
Official Symbol	TSEN2
Synonyms	TSEN2; tRNA splicing endonuclease 2 homolog (S. cerevisiae); tRNA splicing endonuclease 2 homolog (SEN2, S. cerevisiae); tRNA-splicing endonuclease subunit Sen2; MGC2776; SEN2; SEN2L; hsSen2; tRNA-intron endonuclease Sen2; PCH2B; MGC4440;
Gene ID	80746
mRNA Refseq	NM_001145392
Protein Refseq	NP_001138864
MIM	608753

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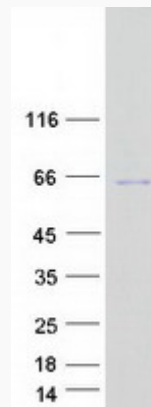
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UniProt ID

Q8NCE0

SDS-PAGE



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