

Recombinant Human TNNI2 protein

Cat. No. TNNI2-1996H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNNI2 was expressed in E. coli.
Species	Human
Source	E.coli
Description	Skeletal isoforms of Troponin I were suggested to be used as markers of acute and chronic skeletal muscle injuries. In skeletal muscles Troponin I is presented by two forms, slow (21.6 kDa) and fast (21.2 kDa) skeletal. The protein (Fast Skeletal Troponin I) migrates on SDS-PAGE to approximately 26.5kDa.
Form	The protein solution contains 20mM Tris-HCl, 500mM NaCl and 10mM b-ME, pH 7.5.
Purity	Greater than 85.0% as determined by SDS-PAGE.
Storage	TNNI2 Human although stable at 10 centigrade for 7 days, should be stored below -18 centigrade. Please prevent freeze-thaw cycles.

GENE INFORMATION

Gene Name	TNNI2 troponin I type 2 (skeletal, fast) [Homo sapiens]
Official Symbol	TNNI2

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Synonyms	TNNI2; troponin I type 2 (skeletal, fast); troponin I, skeletal, fast; troponin I, fast skeletal muscle; AMCD2B; DA2B; FSSV; troponin I fast twitch 2; troponin I; fast twitch skeletal muscle isoform; troponin I, fast-twitch isoform; fast-twitch skeletal muscle troponin I; troponin I, fast-twitch skeletal muscle isoform; fsTnI;
Gene ID	7136
mRNA Refseq	NM_001145829
Protein Refseq	NP_001139301
MIM	191043
UniProt ID	P48788
Chromosome Location	11p15.5
Pathway	Muscle contraction, organism-specific biosystem; Striated Muscle Contraction, organism-specific biosystem; Striated Muscle Contraction, organism-specific biosystem;
Function	contributes_to actin binding; protein binding; troponin T binding;