

Recombinant Human TIMM21 Protein (1-248 aa), GST-tagged

Cat. No. TIMM21-2125H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TIMM21 Protein (1-248 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length.
Species	Human
Source	E.coli
ProteinLength	1-248 aa
Description	Participates in the translocation of transit peptide-containing proteins across the mitochondrial inner membrane. Also required for assembly of mitochondrial respiratory chain complex I and complex IV as component of the MITRAC (mitochondrial translation regulation assembly intermediate of cytochrome c oxidase complex) complex. Probably shuttles between the presequence translocase and respiratory-chain assembly intermediates in a process that promotes incorporation of early nuclear-encoded subunits into these complexes.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	55.2 kDa
AA Sequence	MICTFLRAVQYTEKLHRSSAKRLLLPYIVLNKACLKTEPSLRCGLQYQKKTLPKRCIL GVTQKTIWTQGSPSPRKAKEDGSKQVSVHRSQRGGTAVPTSQKVKEAGRDFTYLIVV LFGISITGGLFYTIFKELFSSSSPSKIYGRALEKCRSHPEVIGVFGESVKGYGEVTRRG

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	RRQHVRFTEYVKDGLKHTCVKFYIEGSEPGKQGTVYAQVKENPGSGEYDFRYIFVEI ESYPRRTIIIEDNRSQDD
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	TIMM21 translocase of inner mitochondrial membrane 21 homolog (yeast) [Homo sapiens]
Official Symbol	TIMM21
Synonyms	C18orf55; HSPC154; mitochondrial; TI21L_HUMAN; TIM21-like protein; TIMM21; TIM21;
Gene ID	29090
mRNA Refseq	NM_014177.2
Protein Refseq	NP_054896.2

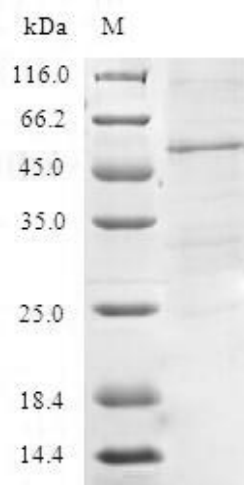
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UniProt ID

Q9BVV7



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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