

Recombinant Human BOLA3, GST-tagged

Cat. No. BOLA3-10268H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BOLA3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-107a.a.
Description	This gene encodes a protein that plays an essential role in the production of iron-sulfur (Fe-S) clusters for the normal maturation of lipoate-containing 2-oxoacid dehydrogenases, and for the assembly of the mitochondrial respiratory chain complexes. Mutation in this gene has been associated with multiple mitochondrial dysfunctions syndrome-2. Two alternatively spliced transcript variants encoding different isoforms with distinct subcellular localization have been reported for this gene (PMID:21944046).
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	BOLA3 bolA homolog 3 (E. coli) [Homo sapiens]
Official Symbol	BOLA3
Synonyms	bolA homolog 3 (E. coli); bolA-like 3 (E. coli); MMDS2; bolA-like protein 3; BOLA3
Gene ID	388962
mRNA Refseq	NM_212552.2
Protein Refseq	NP_997717.2
MIM	613183
UniProt ID	Q53S33
Chromosome Location	2p13.1
Function	molecular_function