

## Recombinant Human BOLA3, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human BOLA3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-107a.a.
<b>Description</b>	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).
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

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

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