

MSRB3 Protein, Human (His)

Cat. No.:	HY-P76502
Synonyms:	Methionine-R-sulfoxide reductase B3; MSRB3
Species:	Human
Source:	E. coli
Accession:	Q8IXL7-2 (G26-L185)
Gene ID:	253827
Molecular Weight:	Approximately 23 kDa.

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	MSRB3, a protein with the distinctive ability to catalyze the reduction of both free and protein-bound methionine sulfoxide to methionine, stands out for its crucial role in the auditory system. Specifically, isoform 2 of MSRB3 is deemed essential for normal hearing, underscoring its significance in auditory function.
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Caution: Product has not been fully validated for medical applications. For research use only.

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