

MSRB3 Protein, Human (HEK293, His)

Cat. No.:	HY-P76501
Synonyms:	Methionine-R-sulfoxide reductase B3; MSRB3
Species:	Human
Source:	HEK293
Accession:	Q8IXL7-2 (G26-D181)
Gene ID:	253827
Molecular Weight:	Approximately 19 kDa

PROPERTIES

AA Sequence	<p>G S C R D K K N C K V V F S Q Q E L R K R L T P L Q Y H V T Q E K G T E S A F E</p> <p>G E Y T H H K D P G I Y K C V V C G T P L F K S E T K F D S G S G W P S F H D V</p> <p>I N S E A I T F T D D F S Y G M H R V E T S C S Q C G A H L G H I F D D G P R P</p> <p>T G K R Y C I N S A A L S F T P A D S S G T A E G G S G V A S P A Q A D</p>
Biological Activity	Measured by its ability to through oxidizing DTT. The specific activity is 17261.04 pmol/min/μg, as measured under the described conditions.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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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