

UBASH3B/STS1 Protein, Human (His)

Cat. No.:	HY-P74484
Synonyms:	Ubiquitin-associated and SH3 domain-containing protein B; STS-1; TULA-2; UBASH3B
Species:	Human
Source:	E. coli
Accession:	Q8TF42 (Q382-E649)
Gene ID:	84959
Molecular Weight:	Approximately 30 kDa

PROPERTIES

AA Sequence	<p>Q K R C L F V C R H G E R M D V V F G K Y W L S Q C F D A K G R Y I R T N L N M</p> <p>P H S L P Q R S G G F R D Y E K D A P I T V F G C M Q A R L V G E A L L E S N T</p> <p>I I D H V Y C S P S L R C V Q T A H N I L K G L Q Q E N H L K I R V E P G L F E</p> <p>W T K W V A G S T L P A W I P P S E L A A A N L S V D T T Y R P H I P I S K L V</p> <p>V S E S Y D T Y I S R S F Q V T K E I I S E C K S K G N N I L I V A H A S S L E</p> <p>A C T C Q L Q G L S P Q N S K D F V Q M V R K I P Y L G F C S C E E L G E T G I</p> <p>W Q L T D P P I L P L T H G P T G G F N W R E T L L Q E</p>
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 µm filtered solution of PBS, pH 7.4 or 20 mM PB, 150 mM NaCl, pH 6.8.
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	UBASH3B/STS1 protein disrupts the CBL-mediated down-regulation and degradation of receptor-type tyrosine kinases, leading to the accumulation of activated target receptors, such as T-cell receptors and EGFR, on the cell surface. Additionally, it demonstrates tyrosine phosphatase activity towards multiple substrates, including EGFR, FAK, SYK, and
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ZAP70. Furthermore, UBASH3B/STS1 participates in the down-regulation of proteins that undergo dual modification involving both protein tyrosine phosphorylation and ubiquitination.

Caution: Product has not been fully validated for medical applications. For research use only.

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