Recombinant Human Threonine aspartase 1 (TASP1)

Product Code	CSB-YP867159HU
Abbreviation	TASP1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9H6P5
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MTMEKGMSSG EGLPSRSSQV SAGKITAKEL ETKQSYKEKR GGFVLVHAGA GYHSESKAKE YKHVCKRACQ KAIEKLQAGA LATDAVTAAL VELEDSPFTN AGMGSNLNLL GEIECDASIM DGKSLNFGAV GALSGIKNPV SVANRLLCEG QKGKLSAGRI PPCFLVGEGA YRWAVDHGIP SCPPNIMTTR FSLAAFKRNK RKLELAERVD TDFMQLKKRR QSSEKENDSG TLD
Source	Yeast
Target Names	TASP1
Protein Names	Recommended name: Threonine aspartase 1 Short name= Taspase-1 EC= 3.4.25.- Cleaved into the following 2 chains: 1. Threonine aspartase subunit alpha 2. Threonine aspartase subunit beta
Expression Region	1-233
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene encodes an endopeptidase that cleaves specific substrates following aspartate residues. The encoded protein undergoes posttranslational autoproteolytic processing to generate alpha and beta subunits, which reassemble into the active alpha2-beta2 heterotetramer. It is required to cleave MLL, a protein required for the maintenance of HOX gene expression, and TFIIA, a basal transcription factor. Alternatively spliced transcript variants have been described, but their biological validity has not been determined.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final

	concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.