

CHID1 Protein, Human (His)

Cat. No.:	HY-P71647
Synonyms:	CHID1; CHID1_HUMAN; Chitinase domain containing 1; Chitinase domain-containing protein 1; SI-CLP; SICLP; Stabilin 1 interacting chitinase like protein; Stabilin-1-interacting chitinase-like protein
Species:	Human
Source:	E. coli
Accession:	Q9BWS9 (20T-393L)
Gene ID:	66005
Molecular Weight:	Approximately 46.8 kDa

PROPERTIES

AA Sequence	<pre> T L S K S D A K K A A S K T L L E K S Q F S D K P V Q D R G L V V T D L K A E S V V L E H R S Y C S A K A R D R H F A G D V L G Y V T P W N S H G Y D V T K V F G S K F T Q I S P V W L Q L K R R G R E M F E V T G L H D V D Q G W M R A V R K H A K G L H I V P R L L F E D W T Y D D F R N V L D S E D E I E E L S K T V V Q V A K N Q H F D G F V V E V W N Q L L S Q K R V G L I H M L T H L A E A L H Q A R L L A L L V I P P A I T P G T D Q L G M F T H K E F E Q L A P V L D G F S L M T Y D Y S T A H Q P G P N A P L S W V R A C V Q V L D P K S K W R S K I L L G L N F Y G M D Y A T S K D A R E P V V G A R Y I Q T L K D H R P R M V W D S Q A S E H F F E Y K K S R S G R H V V F Y P T L K S L Q V R L E L A R E L G V G V S I W E L G Q G L D Y F Y D L L </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
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.
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	CHID1 protein functions as a saccharide- and LPS-binding protein, suggesting potential roles in pathogen sensing and endotoxin neutralization. Its ligand-binding specificity is linked to the length of oligosaccharides, exhibiting a preference for chitotetraose in vitro. Additionally, CHID1 interacts with STAB1, highlighting its potential involvement in cellular processes
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related to STAB1 interactions.

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

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