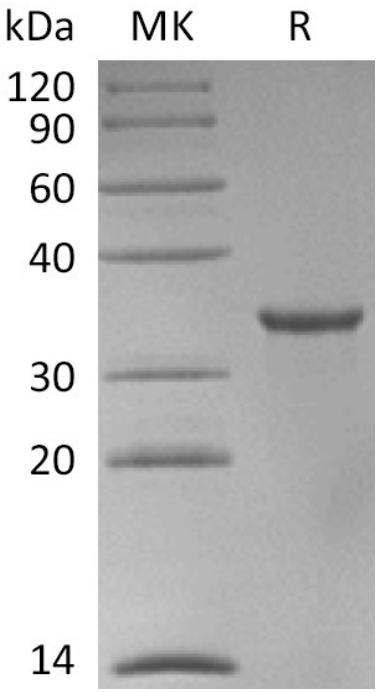
Product Name: Recombinant Human STUB1
Catalog #: PEH1577

Summary

Name	STUB1/CHIP
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human E3 Ubiquitin-Protein Ligase CHIP is produced by our E.coli expression system and the target gene encoding Met1-Tyr303 is expressed.
Accession #	Q9UNE7
Host	E.coli
Species	Human
Predicted Molecular Mass	34.86 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

Product Name: Recombinant Human STUB1
Catalog #: PEH1577



Alternative Names

E3 Ubiquitin-Protein Ligase CHIP; Antigen NY-CO-7; CLL-Associated Antigen KW-8; Carboxy Terminus of Hsp70-Interacting Protein; STIP1 Homology and U Box-Containing Protein 1; STUB1; CHIP

Background

E3 Ubiquitin-Protein Ligase CHIP is a cytoplasmic protein. CHIP is highly expressed in skeletal muscle, heart, pancreas, brain and placenta. CHIP interacts with the molecular chaperones Hsc70-Hsp70 and Hsp90 through its TPR domain; lead to in client substrate ubiquitylation and degradation by the proteasome. CHIP targets misfolded chaperone substrates towards proteasomal degradation. CHIP mediates transfer of non-canonical short ubiquitin chains to HSPA8 that have no effect on HSPA8 degradation. CHIP plays a role in base-excision repair: catalyzes polyubiquitination by amplifying the HUWE1/ARF-BP1-dependent monoubiquitination and leading to POLB-degradation by the proteasome. It also may regulate the receptor stability and activity through proteasomal degradation.

Note

For Research Use Only , Not for Diagnostic Use.