

Product datasheet for **TP301970**

PEPD (NM_000285) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human peptidase D (PEPD), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201970 protein sequence Red =Cloning site Green =Tags(s)

MAAATGPSFWLGNLTKVPLALFALNRQRLCERLRKNPAVQAGSIVLQGG EETQRYCTDTGVLFRQESF
FHWAFGVTEPGCYGVIDVDTGKSTLFPRLPASHATWMGKIHSKEHFKEKYAVDDVQYVDEIASVLTSQK
PSVLLTLRGVNTDSGSVCREASFDGISKFEVNNLILHPEIVECRVFKTDMELEVLRYTNKISSEAHREVM
KAVKVG MKEYELESLEFEHYCYSRGGMRHSSYTCICGSGENSAVLHYGHAGAPNDRTIQNGDMCLFDMGG
E
YYCFASDITCSFPANGKFTADQKAVYEAVLRSSRAVMGAMKPGVWWPDMHRLADRIHLEELAHMGILSG
S
VDAMVQAHLGAVFMPHGLGHFLGIDVHDVGGYPEGVERIDEPGLRSLRTARHLQPGMVLTVEPGIYFID
H
LLDEALADPARASFLNREVLQFRFRGGVRIEEDVWVTDSGIELLTCVPRTVEEIEACMAGCDKAFTPFS
GPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	54.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



[View online »](#)

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_000276](#)

Locus ID: 5184

UniProt ID: [P12955](#)

RefSeq Size: 2019

Cytogenetics: 19q13.11

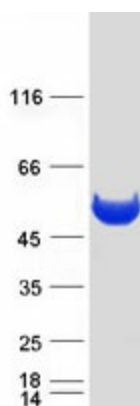
RefSeq ORF: 1479

Synonyms: PROLIDASE

Summary: This gene encodes a member of the peptidase family. The protein forms a homodimer that hydrolyzes dipeptides or tripeptides with C-terminal proline or hydroxyproline residues. The enzyme serves an important role in the recycling of proline, and may be rate limiting for the production of collagen. Mutations in this gene result in prolidase deficiency, which is characterized by the excretion of large amount of di- and tri-peptides containing proline. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]

Protein Families: Druggable Genome, Protease

Product images:



Coomassie blue staining of purified PEPD protein (Cat# TP301970). The protein was produced from HEK293T cells transfected with PEPD cDNA clone (Cat# [RC201970]) using MegaTran 2.0 (Cat# [TT210002]).