

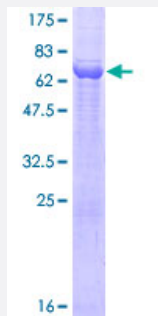
Full-Length

DPEP2 (Human) Recombinant Protein (P01)

Catalog # H00064174-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DPEP2 full-length ORF (AAH24021.1, 1 a.a. - 399 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MQPSGLEPGTFRWPLLSLLLLLLLLLPVTCAYTTPGPPRAQFWSAYVPCQTQDRDALRLTLE
QIDLIRRMCASYSLELVTSKALNDTQKLACLGVEGGHSLDNSLSILRTFYMLGVRYLTHTCNT
PWAESSAKGVHSFYNNISGLTDFGEKVVAEMNRLGMMVDLSHVSDAVARRALEVSQAPVIFSHS
AARGVCNSARNVPDDILQLLKNGGVVMVSLSMGVIQCNPSANVSTVADHFDHIKAVIGSKFIGIG
GDYDGAGKFPQGLEDVSTYPVLEIELLSRGWSEEELQGVLRGNLLRVFRQVEKVQEENKWQSP
LEDKFPDEQLSSSCHSDLSRLRQRQSLTSGQELTEPIHWTAKLPKWSVSESSPHMAPVLAVV
ATFPVLILWL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

70.3

Interspecies Antigen Sequence

Mouse (71); Rat (76)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DPEP2

Entrez GeneID	64174
GeneBank Accession#	BC024021.1
Protein Accession#	AAH24021.1
Gene Name	DPEP2
Gene Alias	MBD2
Gene Description	dipeptidase 2
Omim ID	609925
Gene Ontology	Hyperlink
Gene Summary	DPEP2 belongs to the membrane-bound dipeptidase (EC 3.4.13.19) family. These enzymes hydrolyze a variety of dipeptides, including leukotriene D4, the beta-lactam ring of some antibiotics, and cystinyl-bis-glycine (cys-bis-gly) formed during glutathione degradation (Habib et al., 2003 [PubMed 12738806]).[supplied by OMIM]
Other Designations	OTTHUMP00000174846