

Product Data Sheet

Recombinant Human XPNPEP2 Protein

Catalog #	Source	Reactivity	Applications
CRP2543	Human cells	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human XPNPEP2 Protein is produced by Mammalian expression system and the target gene encoding His22-Ala650 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.		
Gene Symbol	XPNPEP2		
Alternative Names	Xaa-Pro aminopeptidase 2; Aminoacylproline aminopeptidase; Membrane-bound aminopeptidase P; Membrane-bound APP; Membrane-bound AmP; mAmP; X-Pro aminopeptidase 2		
Entrez Gene	7512 (Human)		
SwissProt	O43895 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	HTKPVDLGGQ DVRNCSTNPP YLPVTVVNTT MSLTALRQQM QTQNLSAYII PGTDAHMNEY IGQHDERRAW ITGFTGSAGT AVVTMKKAAV WTDSRYWTQA ERQMDCNWEL HKEVGTTPIV TWLLTEIPAG GRVGFDPFLL SIDTWESYDL ALQGSNRQLV SITTNLVDLV WGSERPPVPN QPIYALQEAF TGSTWQEKVS GVRSQMQKHQ KVPTAVLLSA LEETAWLFNL RASDIPYNPF FYSYLLTDS SIRLFANKSR FSSETLSYLN SSCTGPMCVQ IEDYSQVRDS IQAYSLGDVR IWIGTSYTM YGIYEMIPKEK LVTDTYSPVM MTKAVKNSKE QALLKASHVR DAVAVIRYLV WLEKNVPKGT VDEFSGAEIV DKFRGEEQFS SGPSFETISA SGLNAALAHY SPTKELNRKL SSDEMYLLDS GGQYWDGTTD ITRTVHWGTP SAFQKEAYTR VLIGNIDLSR LIFPAATSGR MVEAFARRAL WDAGLNYGHG TGHGIGNFLC VHEWPVGFQS NNIAMAKGMF TSIEPGYYKD GEFGRLEDV ALVVEAKTKY PGSYLTFEVV SFVPYDRNLI		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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DVSLLSPEHL QYLNRYQTI REKVGPELQR RQLLEFEWL QQHTEPLAAH HHHHH

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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