



Recombinant Protein Technical Manual

Recombinant Human XPNPEP2 Protein (His Tag)

RPES2470

Product Data:

Product SKU: RPES2470

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: O43895

Protein Information:

Molecular Mass: 71.6 kDa

AP Molecular Mass: 78 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Xaa-Pro Aminopeptidase 2; Aminoacylproline Aminopeptidase; Membrane-Bound Aminopeptidase P; Membrane-Bound APP; Membrane-Bound AmP; mAmP; X-Pro Aminopeptidase 2; XPNPEP2

Immunogen Information:

Sequence: His22-Ala650

Background:

Xaa-Pro aminopeptidase 2 (XPNPEP2) belongs to the peptidase M24B family of metalloproteases. Human XPNPEP2 is widely expressed in various tissues, such as kidney, lung, heart, placenta, liver, small intestine and colon. However, it doesn't express in brain, skeletal muscle, pancreas, spleen, thymus, prostate, testis and ovary. XPNPEP2 is a Homotrimer which binds 2 manganese ions per subunit. The metalloprotease XPNPEP2 may play a role in the inflammatory process and other reactions produced in response to injury or infection and the metabolism of the vasodilator bradykinin.