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32-13017: ADAM10 Human, Sf9

Alternative Name :	Kuz, AD10, MADM, CD156c, HsT18717, ADAM metallopeptidase domain 10, A disintegrin and metalloproteinase domain 10, Mammalian disintegrin-metalloprotease, Kuzbanian protein homolog, CDw156, ADAM 10, ADAM10.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
ADAM10 is part of the ADAM family which are cell surface proteins with a distinctive structure possessing both potential adhesion and protease domains. ADAM10 cleaves many proteins including TNF-alpha and E-cadherin. ADAM10 cleaves the membrane-bound precursor of tnf-alpha at 76- ala-|-val-77 to its mature soluble form. ADAM10 is in charge for the proteolytic release of several other cell-surface proteins, including heparin-binding epidermal growth-like factor, ephrin-a2 and for constitutive and regulated alpha-secretase cleavage of amyloid precursor protein ADAM10 is involved in the normal cleavage of the cellular prion protein. ADAM10 is involved in the cleavage of the adhesion molecule l1 at the cell surface and in the release of membrane vesicles, suggesting a vesicle-based protease activity. ADAM10 controls the proteolytic processing of notch and mediates lateral inhibition during neurogenesis.Â
ADAM10 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 467 amino acids (214-672 aa) and having a molecular mass of 51.6kDa (Migrates at 50-70kDa on SDS-PAGE under reducing conditions).ADAM10 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	ADAM10 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	TTSAEKNTCQ LYIQTDHLFF KYYGTREAVI AQISSHVKAI DTIYQTTDFS GIRNISFMVK RIRINTTADE KDPTNPFRFP NIGVEKFLEL NSEQNHDDYC LAYVFTDRDF DDGVLGLAWV GAPSGSSGGI CEKSKLYSDG KKKSLNTGII TVQNYGSHVP PKVSHITFAH EVGHNFGSPH DSGTECTPGE SKNLGQKENG NYIMYARATS GDKLNNNKFS LCSIRNISQV LEKKRNNCFV ESGQPICGNG MVEQGEECDC GYSDQCKDEC CFDANQPEGR KCKLKPGKQC SPSQGPCCTA QCAFKSKSEK CRDDSDCARE GICNGFTALC PASDPKPNFT DCNRHTQVCI NGQCAGSICE KYGLEECTCA SSDGKDDKEL CHVCCMKKMD PSTCASTGSV QWSRHFSGRT ITLQPGSPCN DFRGYCDVFM RCRLVDADGP LARLKKAIFS PELYENIAEL EHHHHHH

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