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32-13685: CTSF Human, Sf9

Format : CTSF protein solution (0.25mg/ml) contains Phosphate buffered saline (pH7.4) and 40% glycerol.
Alternative Name : CTSF, CATSF, CLN13.

Description

Source:Sf9, Baculovirus cells.
Physical Appearance:Sterile filtered colorless solution.
Biological ActivitySpecific activity is > 5 pmol/min/ug, and is defined as the amount of enzyme that hydrolyze 1pmole of Z-Phe-ArgAMC to Z-Phe-Arg and AMC per minute at pH 5.0 at 37?.
Cathepsin F (CTSF) is a member of the peptidase C1 family. Cathepsins are papain family cysteine proteinases which are a main component of the lysosomal proteolytic system. The CTSF gene is ubiquitously expressed, and it maps to chromosome 11q13, close to the gene encoding cathepsin W. CTSF plays a role in normal protein catabolism. CTSF is involved in some degradative processes occurring in tumor progression since it is highly expressed in some cancer cell lines.
CTSF produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 474 amino acids (20-484.a.a) and having a molecular mass of 52.5kDa.CTSF is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 10 µg / 2 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
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 : ADLAPAQPRA ASFQAWGPPS PELLAPTRFA LEMFNRGRAA GTRAVLGLVR GRVRRAGQGS LYSLEATLEE PPCNDPMVCR LPVSKKTLLC SFQVLDELGR HVLLRKDCGP VDTKVPGAGE PKSAFTQGSA MISSLSQNHP DNRNETFSSV ISLLNEDPLS QDLPVKMASI FKNFVITYNR TYESKEEARW RLSVFVNNMV RAQKIQALDR GTAQYGVTKF SDLTEEEFRT IYLNTLLRKE PGNKMKQAKS VGDLAPPEWD WRSKGAVTKV KDQGMCGSCW AFSVTGNVEG WFLNQGTLL SLSEQELLDC DKMDKACMGG LPSNAYSAIK NLGGLETEDD YSYQGHMQSC NFSAEKAKVY INDSVELSQN EQKLAAWLAK RGPISVAINA FGMQFYRHGI SRPLRPLCSP WLIDHAVLLV GYGNRSDVPF WAIKNSWGTD WGEKGYYYLH RGSGACGVNT MASSAVVDHH HHHH

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