

ACTA2, 3-377aa, Human, His tag, E.coli

Cat.NO.: TP01047

3th Edition

Synonyms:Actin, aortic smooth muscle, AAT6, ACTSA, MYMY5.

Description:ACTA2 belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin isoforms have been identified, with alpha actins being a major constituent of the contractile apparatus, while beta and gamma actins are involved in the regulation of cell motility.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol

Molecular Weight:44.4 kDa (400aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMEEEDSTALVCDNGSGLCKAGFAGDDAPRAVFPSSIVGRPRHQGVMVGM
GQKDSYVGDEAQSQRGILTLKYPIEHGIITNWDDMEKIWHHSFYNELRVAPPEEHPTLLTEAPLNPKANREKMTQIMF
ETFNVPAMYVAIQAVLSLYASGRRTTGIVLDSGDGVTHNVPIYEGYALPHAIMRLDLAGRDLTDYLMKILTERGYSFVT
TAEREIVRDIKEKLCYVALDFENEMATAASSSSLEKSYELPDGQVITIGNERFRCPETLFQPSFIGMESAGIHETTYNS
IMKCDIDIRKDLYANNVLSGGTTMYPGIADRMQKEITALAPSTMKIKIIPPERKYSVWIGGSILASLSTFQQMWISKQ
EYDEAGPSIVHRKCF

Purity:> 95% by HPLC

Concentration:1 mg/ml

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.