



Catalog Number: PR27191

Product Type: Recombinant Protein

Source: *E. Coli*

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSMAGRLPA CVVDCGTGYT KLG YAGNTEP QFIIPSCIAI
KESAKVGDQA QRRVMKGVDD LDFFIGDEAI EKPTYATKWP IRHGIVEDWD LMERFMEQVI
FKYLRAEPED HYFLLTEPPL NTPENREYTA EIMFESFNVP GLYIAVQAVL ALAASWTSRQ
VGERTLTGTV IDSGDGVTHV IPVAEGYVIG SCIKHIPIAG RDITYFIQQL LRDREVGIPP
EQSLETAKAV KERYSYVCPD LVKEFNKYDT DGSKWIKQYT GINAISKKEF SIDVGYERFL
GPEIFFHPEF ANPDFTQPIS EVVDEVIQNC PIDVRRPLYK NIVLSGGSTM FRDFGRRLLQR
DLKRTVDARL KLSEELSGGR LKPKPIDVQV ITHHMQR YAV WFGGSM LST PEFYQVCHTK
KDYEEIGPSI CRHNPVFGVM S.

Description/Molecular Mass: ARP3 Actin-Related Protein 3, also known as ACTR3, belongs to the actin family. The specific function of ACTR3 has not been established yet. On the other hand, ACTR3 is identified as being a major constituent of the ARP2/3 complex. In addition, this complex is located at the cell surface and vital to cell shape & motility through lamellipodial actin assembly and protrusion. 3 transcript variants encoding 2 different isoforms have been discovered for ACTR3.

ACTR3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 441 amino acids (1-418 a.a) and having a molecular mass of 49.8kDa.

ACTR3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Purity: Greater than 85.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: ACTR3 protein solution (0.25 mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.

Storage: 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.

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