

Mesoderm Development Candidate 1 Human Recombinant

Item Number	rAP-3621
Synonyms	Mesoderm Development Candidate 1, MESDC1.
Description	MESDC1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 385 amino acids (1-362) and having a molecular mass of 40.1 kDa. MESDC1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9H1K6
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMASGSAG KPTGEAASPA PASAIGGASS QPRKRLVSVC DHCK-GKMLV ADLLLLSSEA RPVLFEGPAS SGAGAESFEQ CRDTIIARTK GLSILTHDVQ SQLNMGRFGE AGDSLVELGD LVVSLTECSA HAAVLAAVAT PGAQPAQPGL VDRYRVTRCR HEVEQGCAVL RAT-PLADMTP QLLLEVSQGL SRNLKFLTDA CALASDKSRD RFSREQFKLG VKCMSTSASA LLACVREVKV APSELARSRC ALFSGPLVQA VSALVGFATE PQFLGRAAAV SAEGKAVQTA ILGGAMSVVS ACVLLTQCLR DLAQHPDGGA KMSDHRERLR NSACAVSEGC TLLSQALRER SSPRTLPPVN SNSVN.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The MESDC1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 1mM DTT. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**