

SIX Homeobox 1 Human Recombinant

Item Number	rAP-4808
Synonyms	SIX Homeobox 1, Sine Oculis Homeobox Homolog 1, Sine Oculis Homeobox Homolog 1 (Drosophila), Homeobox Protein SIX1, Deafness Autosomal Dominant 23, DFNA23, TIP39, BOS3.
Description	SIX1 Human Recombinant produced in E. coli is a single polypeptide chain containing 308 amino acids (1-284) and having a molecular mass of 34.7 kDa. SIX1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q15475
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSMLPS FGFTQEQVAC VCEVLQQGGN LERLGRFLWS LPAC-DHLHKN ESVLKAKAVV AFHRGNFREL YKILESHQFS PHNHPKLQQL WLKAHYVEAE KLRGRPLGAV GKRVRRKFP LPRTIWDGEE TSYCFKEKSR GVLREWYAHN PYPSPREKRE LAEATGLTTT QVSNWFKNRR QRDRAAEAKE RENTENNNSS SNKQQLSPL EGGKPLMSSS EEEFSPQSP DQNSVLLLQG NMGHARSSNY SLPGLTASQP SHGLQTHQHQLQDSSLGPLT SSLVDLGS
Source	E.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 SIX1 solution contains 20mM Tris-HCl buffer (pH 8.0), 2M Urea and 10% glycerol. Greater than 85% 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**