

Upstream Transcription Factor 1 Human Recombinant

Item Number	rAP-4077
Synonyms	Upstream Transcription Factor 1, Class B Basic Helix-Loop-Helix Protein 11, Major Late Transcription Factor 1, bHLHb11, HYPLIP1, FCHL, FCHL1, MLTF, MLTFI, UEF, Upstream Stimulatory Factor 1, BHLHB11, USF, USF1.
Description	USF1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 333 amino acids (1-310 a.a) and having a molecular mass of 35.9kDa. USF1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P22415
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMKGQKKT AETEEGTVQI QEGAVATGED PTSVAIASIQ SAAT-FDPDNV KYVFRTENGG QVMYRVIQVS EGQLDGQTEG TGAISGYPAT QSMTQAVIQG AFTSDDAVDT EGTAETHYT YFPSTAVGDG AGGTTSGSTA AVVTTQGSEA LLGQATPPGT GQFFVMMSPQ EVLQGGSQRS IAPRTHPYSP KSEAPRTTRD EKRRAQHNEV ERRRRDKINN WIVQLSKIIP DCSMESTKSG QSKGGILSKA CDYIQELRQS NHRLSEELQG LDQLQLDNDV LRQQVEDLKN KNLLLRALR HHGLEVVIKN DSN.
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	USF1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT. Greater than 90.0% 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**