

32-2869: TSTA3 Recombinant Protein

Alternative Name : FX,P35B,SDR4E1,GDP-L-fucose synthase,Protein FX .

Description

Source : Escherichia Coli. TSTA3 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 341 amino acids (1-321 a.a.) and having a molecular mass of 38 kDa. The TSTA3 is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. TSTA3 is a NADP(H)-binding protein. TSTA3 catalyzes the two-step epimerase and the reductase reactions in GDP-D-mannose metabolism, converting GDP-4-keto-6-D-deoxymannose to GDP-L-fucose. GDP-L-fucose is the substrate of numerous fucosyltransferases that take part in the expression of several glycoconjugates, including blood group ABH antigens and developmental adhesion antigens. Mutations in TSTA3 result in leukocyte adhesion deficiency, type II.

Product Info

Amount :	25 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	0.5mg/ml solution containing 20mM Tris pH-8, 2mM DTT, 50mM NaCl & 10% glycerol.
Storage condition :	TSTA3 Human although stable at 4C for 1 week, should be stored desiccated below -18C. Please prevent freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGEPQGSMRI LVTGGGSLVG KAIQKVADG AGLPGEDWVF VSSKDADLTD TAQTRALFEK VQPTHVIHLA AMVGGLFRNI KYNLDFWRKN VHMNDNLVLS AFEVGARKVV SCLSTCIFPD KTTYPIDETM IHNGPPHNSN FGYSYAKRMI DVQNRAYFQQ YGCTFTAVIP TNVFGPHDNF NIEDGHVLPGLIHKVHLAKS SGSALTVWGT GNPRRQFIYS LDLAQLFIWV LREYNEVEPI ILSVGEEDEV SIKEAAEAVV EAMDFHGEVT FDTTKSDGQF KKTASNSKLR TYLPDFRFTP FKQAVKETCA WFTDNYEQAR K.