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California Bioscience

Product Datasheet

Product Name	Cytokeratin 8 Human Recombinant
Cata No	CB500968
Source	*Escherichia Coli.*
Synonyms	Keratin type II cytoskeletal 8, Cytokeratin-8, CK-8, Keratin-8, K8, KRT8, CYK8, KO, CK8, K2C8, CARD2.

Description
Keratin 8 and 18 (K8/18) are the major components of intermediate filament (IF) proteins of simple or single-layered epithelia.
Cytokeratin 8 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain having a molecular mass of 53,532 Dalton.
The CK-8 is purified by proprietary chromatographic techniques.

Physical Appearance
Sterile Filtered White lyophilized (freeze-dried) powder.

Purity
Greater than 95.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Formulation
The protein (1mg/ml) was lyophilized after from a sterile solution containing 30mM Tris-HCL pH-8, 9.5M urea, 2mM DTT, 2mM EDTA and 10mM methylammonium chloride.

Reconstitution
It is recommended to reconstitute the lyophilized CK-8 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability
Lyophilized CK-8 although stable at room temperature for 3 weeks, should be stored desiccated below -18℃. Upon reconstitution CK-8 should be stored at 4℃ between 2-7 days and for future use below
-18℃.
For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Please prevent freeze-thaw cycles.