ITM2A Protein, Mouse (Cell-Free, His)

Cat. No.:	HY-P702339
Synonyms:	Integral membrane protein 2A; Protein E25
Species:	Mouse
Source:	E. coli Cell-free
Accession:	Q61500 (M1-E263)
Gene ID:	16431
Molecular Weight:	31.2 kDa

PROPERTIES

AA Sequence	MVKIAFNTPT AVQKEEARQD VEALVSRTVR AQILTGKELR VVPQEKDGSS GRCMLTLLGL SFILAGLIVG GACIYKYFMP KSTIYHGEMC FFDSEDPVNS IPGGEPYFLP VTEEADIRED DNIAIIDVPV PSFSDSDPAA IIHDFEKGMT AYLDLLLGNC YLMPLNTSIV MTPKNLVELF GKLASGKYLP HTYVVREDLV AVEEIRDVSN LGIFIYQLCN NRKSFRLRRR DLLLGFNKRA IDKCWKIRHF PNEFIVETKI CQE
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	ITM2A protein exhibits expression in mandibular condyles, bone, and hair follicles, with particularly robust expression in osteogenic tissues such as neonatal calvaria, paws, tail, and skin. The presence of ITM2A in these specific tissues suggests its potential involvement in skeletal development and maintenance, emphasizing its role in osteogenesis. Furthermore, its expression in hair follicles hints at additional functions in skin-related processes. The distinct spatial expression pattern of

	ITM2A underscores its significance in various tissues, implicating its participation in molecular events related to bone development and homeostasis, as well as potential contributions to skin and hair biology.

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